MAPS

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June, 1910

PROCEEDINGS

OF THE

ROYAL IRISH ACADEMY

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J. ADAMS AND G. H. PETHYBRIDGE

A CENSUS CATALOGUE OF IRISH FUNGI

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IV.

A CENSUS CATALOGUE OF IRISH FUNGI.

By J. ADAMS, M.A., and G. H. PETHYBRIDGE, Ph.D., B.Sc.

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Historical Introduction.—While an enumeration of the species of all other groups of plants found in Ireland has at some time or other been made, this has never been attempted in the case of Fungi; and yet the group embraces by far the largest section of the Flora as regards number of species, and, moreover, is of great importance from an economic point of view.

Still it would not be correct to assume that the study of Irish Fungi has been neglected. A reference to the Bibliography at the end will show that a very considerable amount of attention has been devoted to the group. But much still remains to be done; and it is very probable that we are at present acquainted with not more than half the number of species which will ultimately be found to be natives of this country.

Threlkeld, in his "Synopsis Stirpium Hibernicarum," published in 1726, mentions the names of sixteen species of Fungi found in Ireland; but no descriptions or localities are given. In the Appendix to the above work three additional species are mentioned.

The next reference to Irish Fungi occurs in "The Antient and Present State of the County of Down," published in 1744, where four species are described as having been found in that county.

Rutty's "Natural History of County Dublin," published in 1772, mentions two species of Fungi, one of these being the Truffle in County Meath.

But the credit of being the first serious investigator of the group belongs to Templeton, who collected and named 232 species prior to the year 1800. No account of this collection, however, was given to the world until the year 1840, when Dr. Taylor re-examined Templeton's specimens, and published an account of them in the "Annals of Natural History" under the title "Catalogue of the species of Fungi obtained in the North of Ireland by John Templeton, Esq., of Cranmore, Belfast.

Much earlier, however, as regards the date of publication, was a list of fifty-four species, chiefly from County Dublin, published by Wade, in his "Plantae Rariores," in 1804.

The next advance was made in the south, when a list of 218 species for the County of Cork was prepared by Mr. Denis Murray, and published, in 1845, in the "Fauna and Flora of County Cork."

A few years later, in 1852, W. T. Alexander published a list of 256 species found in the neighbourhood of Cloyne in the same county.[1]

The next extension of our knowledge was made by the late Mr. Greenwood Pim, in connexion with the visit of the British Association to Dublin in 1878, when a list of 470 species found in Dublin and Wicklow was prepared for the "Handbook" issued in that year.

In the North of Ireland a still further advance was made by Lett, in his "Fungi of the North of Ireland," published a few years later, in which 580 species are recorded; while, about the same time, Pim published an important paper on the "Fungi of Glengariff and Killarney."

Extensive additions to the Fungal Flora of Counties Dublin and Wicklow were made subsequently by Pim and McWeeney, in a series of papers from 1883 to 1898; while McWeeney added many new species in connexion with the excursions of the Dublin Naturalists' Field Club to different parts of the country.

An important list by Carleton Rea of 160 species additional to those already known for Dublin and Wicklow was the outcome of the British Mycological Society's visit to Dublin in 1898.

Since that date Johnson and Pethybridge have been working chiefly at the parasitic species attacking cultivated plants; while a few other investigators have added new species from time to time. Special mention must be made of an important paper by Father Torrend, in 1908, containing 70 species not previously recorded for the Counties of Dublin and Wicklow.

The foregoing are the most important sources of our information relating to the distribution of Fungi in Ireland. Other shorter contributions to the subject will be found in the Bibliography.

[1] We are indebted to Miss M. C. Knowles for calling our attention to the existence of this list.

Distribution in Ireland.—To indicate the distribution of each species in Ireland the subdivisions of the country and the symbols proposed by Adams in the "Irish Naturalist" for August, 1908, and January, 1909, have been adopted. Each of the four provinces of Ireland is divided into three sections, which are numbered from 1 to 3, that numbered 1 extending furthest south, that numbered 3 extending furthest north, while number 2 is intermediate in position. The first letter of each province is used as an abbreviation for the name of that province. The twelve sub-provinces are as follows, and are shown on the accompanying map :—

MUNSTER.

M 1 Kerry and West Cork.
M 2 Mid-Cork, East Cork, Waterford, South Tipperary.
M 3 North Tipperary, Limerick, Clare.

CONNAUGHT.

C 1 Galway.
C 2 Mayo.
C 3 Sligo, Leitrim, Roscommon.

LEINSTER.

L 1 Wexford, Carlow, Kilkenny.
L 2 Wicklow, Dublin, Kildare, Queen's County, King's County.
L 3 Louth, Meath, Westmeath, Longford.

ULSTER.

U 1 Down, Armagh, Monaghan, Cavan.
U 2 Antrim, Derry, Tyrone.
U 3 Fermanagh, Donegal.

In a few cases the exact locality where the species occurred is not known; and in consequence it cannot be referred to any of the sub-provinces. All that it is possible to do in such cases is to indicate the province, using the symbol ×, as, for example, M ×. In some cases the province is not known, and it is only possible to indicate the distribution by the word "Ireland."

Census of Species.—In the following tables will be found the number of species belonging to the different groups of Fungi recorded in each of the twelve sub-provinces, in the four provinces, and in the whole of Ireland:—

TABLE I.

Number of Species recorded in each Sub-Province.

GROUP.	M1	M2	M3	C1	C2	C3	L1	L2	L3	U1	U2	U3
Myxomycetes, . . .	5	14	0	10	1	0	0	51	5	8	16	1
Phycomycetes, . . .	3	6	0	1	1	0	0	34	3	5	5	0
Hemiascomycetes, . .	0	0	0	0	0	0	0	1	0	0	0	0
Euascomycetes, . . .	27	90	3	24	0	1	4	234	24	72	82	4
Hemibasidii, . . .	0	3	0	2	1	0	0	8	3	3	2	1
Protobasidiomycetes, . .	15	40	0	27	0	0	0	86	28	46	32	0
Autobasidiomycetes, . .	166	174	1	23	0	0	1	550	66	243	182	1
Fungi Imperfecti, . .	6	16	1	7	0	1	3	140	8	14	9	2
TOTALS, . .	222	343	5	94	3	2	8	1104	137	391	328	9

TABLE II.

Number of Species recorded in each Province and in the whole of Ireland.

GROUP.	Munster.	Connaught.	Leinster.	Ulster.	Ireland.
Myxomycetes, . . .	17	10	52	20	61
Phycomycetes, . . .	8	2	35	9	46
Hemiascomycetes, . . .	0	0	1	0	2
Euascomycetes, . . .	109	25	240	125	344
Hemibasidii, . . .	3	4	11	5	13
Protobasidiomycetes, . .	45	27	89	56	105
Autobasidiomycetes, . .	290	23	557	324	711
Fungi Imperfecti,. . .	23	7	143	23	182
TOTALS, . .	495	98	1128	562	1464

It will be evident from Table I. that hardly anything is known of the Fungi occurring in half the sub-provinces of Ireland; while Table II. shows that the same thing is true of the Province of Connaught. The total species so far found in Ireland, namely 1464, probably represent less than half the fungal flora of the country, as nearly 6,000 species have been found in Great Britain.

Several of the parasitic species—as, for example, *Phytophthora infestans* de Bary, *Venturia inaequalis*, Wint. and others—are certainly far more widely distributed than is indicated by the actual records of their occurrence. Many of them are, without doubt, universally distributed over Ireland, but actual records of their occurrence are still wanting.

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All sources of information on the distribution of Irish Fungi are, so far as known, indicated in the following list. The arrangement adopted is an alphabetical one; and the list of papers indexed under each author's name is arranged chronologically. Any scattered information on Irish Fungi, such as exhibits before the Dublin Microscopical Club or accounts of species collected on field-club excursions, will be found in the pages of the journals indicated, such as "Irish Naturalist," "Quarterly Journal of Microscopical Science," &c. The Bibliography of Irish Fungi in the National Museum, Dublin, has also been consulted.

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LIST OF FAMILIES, GENERA, AND SPECIES

All species of Fungi hitherto published as occurring in Ireland up to the end of 1909 are, so far as known to us, included in the subjoined list. In addition to these, however, some records of species are now published for the first time. One of the copies of the "Fauna and Flora of Cork," in the National Library at Dublin, contains marginal notes of a number of species found at various places in County Cork, and these have been incorporated in the present list.

The classification adopted is that of Engler and Prantl, as given in the latest edition (1907) of their "Syllabus der Pflanzenfamilien." In the case of the Agaricaceae, however, the species are arranged in the order given in Worthington G. Smith's "British Basidiomycetes" (1908). To facilitate reference, the species under each genus are arranged in alphabetical order. An alphabetical index of Genera is given at the end of this paper.

We have to acknowledge with grateful thanks considerable assistance in elucidating synonyms and obscure species from Miss A. Lorrain Smith, of the British Museum (Natural History), South Kensington.

MYXOMYCETES.

Phytomyxinae.

Plasmodiophora Alni *Möll.* L 2
Brassicae *Wor.* Ireland
Spongospora subterranea *Johnson* M 1 C 1 2 L 2 U 3

Ceratiomyxaceae.

Ceratiomyxa mucida *Schroet.* C 1 L 2

Liceaceae.

Licea flexuosa *Pers.* L 2.
Tubulina fragiformis *Pers.* L 2 U 2
Alwisia Bombarda *Berk. et Br.* L 3

Clatroptychiaceae.

Enteridium olivaceum *Ehr.* L 2

Cribrariaceae.

Dictydium umbilicatum *Schrad.* L 2 U 2
Cribraria argillacea *Pers.* M 2
aurantiaca *Schrad.* L 2
rufescens *Pers.* L 2

Trichiaceae.

Perichaena depressa *Lib.* L 2
populina *Fr.* L 2 U 2
Arcyria albida *Pers.* M 2 L 2
flava *Pers.* L 2
incarnata *Pers.* M 1 C 1 L 2 U 1 2
punicea *Pers.* M 2 C 1 L 2 3
Lycogala miniatum *Pers.* M 1 2 C 1 L 2 U 1 2
Trichia affinis *de Bary.* L 2
Trichia Botrytis *Pers.* C 1
fallax *Pers.* L 2
favoginea *Pers.* M 1 2 L 2 3 U 2
persimilis *Karst.* L 2
varia *Pers.* L 2 U 2
Hemitrichia clavata *Rost.* L 2
Karstenii *List.* L 2
Serpula *Rost.* U 1
Prototrichia flagellifera *Rost.* L 2

Reticulariaceae.

Reticularia Lycoperdon [*Bull.*] M 2 L 2
Amaurochaete atra *Rost.* L 2
Dictydiaethalium plumbeum *Rost.* L 2 U 2

Stemonitaceae.

Enerthenema elegans *Bowm.* L 2
Lamproderma echinulatum *Rost.* C 1
Comatricha laxa *Rost.* L 2
obtusata *Preuss.* M 2 L 2 3 U 2
Persoonii *Rost.* L 2
typhoides *Rost.* L 2 U 2
Stemonitis ferruginea *Ehr.* L 2
fusca *Roth.* M 2 C 1 L 2 U 1 2
splendens *Rost.* M 1 C 1 L 2

Spumariaceae.

Spumaria alba *DC.* M 2 L 2 U 1 2

Didymiaceae.

Didymium difforme *Duby.* L 2
effusum *Link.* L 2

Didymium farinaceum *Schrad.* U 1
nigripes *Fr.* M 2 L 2
Chondrioderma globosum *Rost.* M 2 L 2
lucidum *Cooke.* L 2
niveum *Rost.* L 2
spumarioides *Rost.* L 2

PHYSARACEAE.

Leocarpus vernicosus *Link.* M 2 L 2
Craterium leucocephalum [*Ditm.*] M 2
pedunculatum *Trent.* M 2 L 2 U 1 2
Physarum bivalve [*Pers.*] U 2
cinereum *Pers.* C 1 U 1
nutans *Pers.* L 2 U 2
penetrale *Rex.* L 2
psittacinum *Ditm.* L 2
viride *Pers.* L 2
Badhamia utricularis *Berk.* L 2
Fuligo septica *Gmel.* L 2 3 U 2

EUMYCETES.

I. PHYCOMYCETES.

1. Zygomycetes.

MUCORACEAE.

Mucor amethysteus *Berk.* U 1
caninus *Pers.* M 2 U 2
clavatus [*Link.*] L 2
mucedo *Linn.* M 2 L 2 U 2
stercoreus *Link.* M 2 L 2
Sporodinia Aspergillus *Schroet.* L 2 3
Thamnidium elegans *Link.* L 2
Rhizopus nigricans *Ehrenb.* M 2 L 2
Pilaira anomala *Schroet.* L 2
Pilobolus crystallinus *Tode.* M 2 L 2 U 2
longipes *van Tiegh.* L 2

CHAETOCLADIACEAE.

Chaetocladium Brefeldii *van Tiegh. et Lemon.* L 2

ENTOMOPHTHORACEAE.

Empusa muscae *Cohn.* L 2

2. Oomycetes.

ALBUGINACEAE.

Cystopus candidus *Lév.* M 1 2 L 2 U 1 2
Lepigoni *de Bary.* L 2
Tragopogonis *Schroet.* L 2

PERONOSPORACEAE.

Phytophthora infestans *de Bary.* L 2 U 1
Peronospora affinis *Rossm.* C 2 L 2
arborescens *de Bary.* L 2
Peronospora calotheca *de Bary.* L 2
candida *Fuck.* L 2 U 1
effusa *Rabenh.* L 2
Lamii *de Bary.* L 2
parasitica *de Bary.* C 1 L 2
Schachtii *Fuck.* L 2
Schleideni *Ung.* L 2
Trifoliorum *de Bary.* L 2
Urticae *de Bary.* L 2
Plasmopara densa *Schroet.* L 3
nivea *Schroet.* L 2
pygmaea *Schroet.* L 2

SAPROLEGNIACEAE.

Saprolegnia androgyna *Arch.* Ireland
ferax *Nees.* L 2
monoica *Pringsh.* Ireland
Achlya cornuta *Arch.* Ireland
Leptolegnia caudata *de Bary.* M 1
Aphanomyces stellatus *de Bary.* Ireland

OLPIDIACEAE.

Olpidium sphacellum *Kny.* Ireland
tumefaciens *Berl. et de Ton.* L 2
Asterocystis radicis *de Wild.* U 2
Chrysophlyctis endobiotica *Schilb.* U 1

SYNCHYTRIACEAE.

Synchytrium Taraxaci *de Bary et Wor.* L 2 3

I. Phycomycetes—*continued.*

Rhizidiaceae.

Eurychasma Dicksonii *Magnus.* L 2

Cladochytriaceae.

Physoderma menyanthis *de Bary.* L 2

Oochytriaceae.

Diplophysa Saprolegniae *Schroet.* M 1

Pythiaceae.

Pythium de Baryanum *Hesse.* L 2

II. HEMIASCOMYCETES.

Protomycetaceae.

Protomyces macrosporus *Ung.* L 2

Saccharomycetaceae.

Saccharomyces cerevisiae *Meyen.* Ireland

III. EUASCOMYCETES.

Exoascaceae.

Exoascus deformans *Fuck.* L 2
Pruni *Fuck.* L 2
Taphrina aurea *Fr.* M 2
Johansonii *Sad.* U 2

Stictidaceae.

Stegia ilicis *Fr.* M 1 2 L 3 U 1 2
Propolis faginea *Karst.* C 1 L 2
Melittosporium lichenicolum *Mass.* Ireland.
Stictis radiata [*Pers.*] M 2

Tryblidiaceae.

Heterosphaeria Patella *Grev.* L 2 U 1 2

Phacidiaceae.

Phacidium multivalve *Kze. et Schum.* U 1
Trochila buxi *Capron.* U 1
craterium *Fr.* U 1
ilicis *Crouan.* L 2
Lauro-cerasi *Fr.* L 2 U 1 2
Schizothyrium Ptarmicae *Desm.* L 2
Coccomyces coronatus [*de Not.*] L 2 U 2
Rhytisma acerinum *Fr.* M 1 2 L 2 3 U 1 2
Andromedae *Fr.* L 2
salicinum *Fr.* M 1 L 2

Pezizaceae.

Sphaerospora asperior *Sacc.* L 2
binominata *Mass.* U 3
brunnea *Mass.* U 2
hinnulea *Mass.* L 2
trechispora *Sacc.* L 2 3 U 1
Plicariella Crouani *Rehm.* L 2
Lachnea bulbocrinita *Phil.* L 2
dalmeniensis *Phil.* L 2
hemisphaerica *Gill.* C 1 L 2
hirta [*Gill.*] M 2
hybrida *Phil.* L 2
scutellata *Gill.* M 1 L 2 3 U 2
stercorea *Gill.* M 1 2 C 1 L 2 U 1 2
umbrorum *Gill.* L 2
Humaria carbonigena *Sacc.* L 2
congrex *Karst.* L 2
domestica *Mass.* L 2
exidiiformis *Sacc.* M 2 L 2
granulata *Sacc.* M 1 2 C 1 L 2 U 1 2
humosa *Sacc.* M 2 L 2 U 2
rutilans *Sacc.* M 2 L 2
violacea *Sacc.* L 2
Peziza Adae *Sadler.* U 2
ammophila *D. & M.* L 2
badia *Pers.* M 2 L 2 3 U 1 2
cerea [*Sow.*] L 2
coccinea *Jacq.* L 2 U 1 2

III. EUASCOMYCETES—*continued.*

Peziza cupularis *Linn.* L 2
reticulata *Grev.* L 2
saniosa *Schrad.* L 2
subumbrina *Boud.* L 3
venosa *Pers.* L 2 U 1
vesiculosa *Bull.* M 2 L 2 U 2
Otidea aurantia *Mass.* M 1 2 L 2 U 2
cochleata *Fuck.* M 2 L 1 2 U 2
leporina *Fuck.* L 2 U 2
onotica *Fuck.* L 2

ASCOBOLACEAE.

Ascophanus argenteus *Boud.* L 2
carneus *Boud.* L 2
equinus *Mass.* L 2
Saccobolus violascens *Boud.* L 2
Ascobolus atrofuscus *Phil. et Plow.* L 2
furfuraceus *Pers.* M 2 L 2 3 U 1 2
glaber *Pers.* L 2
vinosus *Berk.* L 2

HELOTIACEAE.

Chlorosplenium aeruginosum *de Not.* M 1 L 2 U 1 2
Ciboria caucus *Fuck.* L 2
ochroleuca *Mass.* L 2
pseudotuberosa *Sacc.* L 2
Sclerotinia parasitica *Cav.* L 2
sclerotiorum *Mass.* C 1 L 2 U 3
Arachnopeziza aurelia *Fuck.* L 2
Lachnella cerina *Phill.* L 2
corticalis *Fr.* C 1
echinulata *Phill.* L 2
nivea *Phill.* L 3 U 2
Schumacheri *Phill.* L 2
Dasyscypha aspidiicola *Sacc.* L 2
bicolor *Fuck.* M 2 L 2
calycina *Fuck.* M 2 L 1 2 U 1 2
calyculaeformis *Rehm.* L 2
canescens *Mass.* L 2
ciliaris *Sacc.* L 2
clandestina *Fuck.* L 2
hyalina *Mass.* L 2
Dasyscypha nivea *Mass.* L 2
papillaris *Mass.* M 2 U 2
sulfurea *Mass.* L 2
virginea *Fuck.* M 2 C 1 L 2 3 U 1 2
Trichopeziza plano-umbilicata *Sacc.* M 2
Erinella apala *Mass.* L 2
juncicola *Sacc.* L 2
Hymenoscypha calyculus *Phill.* U 2
cyathoidea *Phill.* M 2 L 2
Cyathicula coronata *de Not.* U 2
Helotium aciculare [*Pers.*] M 2 U 2
bolare *Mass.* L 2
citrinum *Fr.* M 1 L 2 3 U 2
claro-flavum *Berk.* M 2 L 2
conigenum *Fr.* L 2
cyathoideum *Karst.* L 2
epiphyllum *Fr.* L 2
fagineum *Fr.* M 2 L 2
imberbe *Fr.* L 2
lenticulare *Fr.* U 2
lutescens *Fr.* L 2
renisporum *Ellis.* L 2
rhizophilum *Cooke.* U 1
scutula *Karst.* L 2
tuba [*Fr.*] L 2
virgultorum *Karst.* M 2 L 2
Ombrophila brunnea *Phil.* L 2
clavis *Cooke.* L 2
Coryne atrovirens *Sacc.* L 2
sarcoides *Tul.* M 1 L 2 3 U 1 2

MOLLISIACEAE.

Mollisia arundinacea *Phil.* L 2
atrata *Karst.* M 1 L 2
atrocinerea *Phil.* L 2
chrysostigma *Mass.* L 2
cinerea *Karst.* M 2 C 1 L 2 U 2
discolor *Phill.* L 2
fallax *Gill.* L 2
filicum *Phill.* L 2
flaveola *Phill.* L 2
melaleuca *Sacc.* C 1

III. Euascomycetes—*continued.*

Pseudopiziza Ranunculi *Fuck.* L 2
Trifolii *Fuck.* L 2
Orbilia auricolor *Sacc.* L 2
leucostigma *Fr.* L 2
rubella *Karst.* L 2
vinosa *Karst.* L 2
xanthostigma *Fr.* L 2
Calloria diaphana *Phill.* M 2
fusarioides *Fr.* L 2 U 2

Patellariaceae.

Durella carestiae *Sacc.* L 2
Patellaria atrata *Fr.* U 1 2
lecideola *Karst.* U 2

Cenangiaceae.

Cenangium abietis *Rehm.* M 2
Bulgaria polymorpha *Wetts.* L 2 U 1 2

Geoglossaceae.

Mitrula cucullata *Fr.* M 2 L 2
olivacea *Sacc.* L 2
phalloides *Chev.* M 2 L 2 U 1 2
viridis *Karst.* L 2
Geoglossum difforme *Fr.* L 2
glabrum *Pers.* M 2 L 2 U 2
glutinosum *Pers.* M 1
hirsutum *Pers.* M 2 L 2 U 1
Leotia lubrica *Pers.* M 1 2 L 2 3 U 2
Spathularia clavata *Sacc.* L 2
Vibrissea Guernisaci *Crouan.* L 2
truncorum *Fr.* M 1 L 2

Helvellaceae.

Morchella conica *Pers.* L 2
crassipes [*Pers.*] L 2
elata *Fr.* C 1 L 2
esculenta *Pers.* M 2 L 2 U 2
gigas *Pers.* L 2
semilibera *DC.* C 1
Helvella crispa *Fr.* M 1 2 L 2 3 U 1
lacunosa *Afzel.* L 2 U 2

Hypodermataceae.

Hypoderma commune *Duby.* L 2
hederae *de Not.* L 2 U 1 2
virgultorum *DC.* M 2 U 2
Lophodermium arundinaceum *Chev.* L 2
hysterioides *Sacc.* M 2
juniperinum *de Not.* U 2
pinastri *Chev.* M 2 L 2 U 2

Dichaenaceae.

Dichaena faginea *Fr.* M 2
strobilina *Fr.* M 2 U 1

Hysteriaceae.

Glonium lineare *de Not.* M 2
Hysterium angustatum [*A. & S.*] M 2
conigenum *Moug. et Nestl.* M 2 U 2
pulicare *Pers.* M 2 U 2
Hysterographium fraxini [*de Not.*] M 2 U 2
Lophium elatum [*Grev.*] M 2
mytilinum [*Fr.*] M 2

Acrospermaceae.

Acrospermum compressum *Tode.* M L 2
graminum *Lib.* L 2

Eutuberaceae.

Hydnotrya Tulasnei *B. & Br.* L 2
Tuber aestivum *Vitt.* M 2 3 C 1 L 2 3
dryophilum *Tul.* M 3

Gymnoascaceae.

Gymnoascus Reesii *Baran.* L 2
Myxotrichum chartarum *Kunze.* L 2

Aspergillaceae.

Aspergillus candidus *Link.* L 2 U 1
glaucus *Link.* M 2 L 2 U 1 2
Penicillium bicolor *Fr.* L 2
candidum *Link.* L 2
glaucum *Link.* M 2 L 2
sparsum [*Grev.*] M 2

Onygenaceae.

Onygena equina *Pers.* U 2

Elaphomycetaceae.

Elaphomyces cervinus *Schrot.* U 2
variegatus *Vitt.* M 2 U 1

III. EUASCOMYCETES—*continued.*

MYRIANGIACEAE.

Myriangium Duriaei *Mont. & Berk.* M 1 2

ERYSIPHACEAE.

Sphaerotheca castagnei *Lév.* M 1 L 2
mors-uvae *Berk.* M 1 2 C 1 L 1 2 3 U 1 2 3
pannosa *Lév.* L 2
Podosphaera Oxyacanthae *de Bary.* L 2
Erysiphe cichoracearum *DC.* M 2 L 2
galeopsidis *DC.* L 2
graminis *DC.* M 2 L 2
polygoni *DC.* M 1 L 2 U 1
tortilis *Fr.* L 2
umbelliferarum *Lév.* L 2
Microsphaera Berberidis *Lév.* L 2 U 1
evonymi *Sacc.* L 3
grossulariae *Lév.* M 1 L 2 U 1 2
Phyllactinia corylea *Karst.* L 2
Uncinula Aceris *DC.* L 2 3
necator *Burr.* L 2
Prunastri *Sacc.* L 2
Salicis *Wint.* L 2

MICROTHYRIACEAE.

Asterina veronicae *Cooke.* L 2

HYPOCREACEAE.

Hypomyces aurantius *Tul.* L 2 3 U 2
cervinus *Tul.* L 2
rosellus *Tul.* L 2
Melanospora leucotricha *Corda.* U 1
Nectria Aquifolii *Berk.* L 2 U 1
aurantium *Kickx.* L 2
bicolor *B & Br.* L 2
cinnabarina *Fr.* M 1 2 L 2 U 1 2
coccinea *Fr.* M 2 L 2 U 1 2
cucurbitula *Fr.* U 1
dacrymella *Nyl.* L 2
ditissima [*Tul.*] L 2
ochracea *Fr.* M 2
Pandani *Tul.* L 2
Peziza *Fr.* M 2 L 2
sanguinea *Fr.* L 2
sinopica *Fr.* L 2 U 1
Calonectria luteola *Sacc.* L 2
Gibberella pulicaris *Sacc.* L 2
Sphaerostilbe flavo-viridis [*Fuck*]. L 2
Polystigma rubrum *DC.* M 3 C 1 L 2
Hypocrea farinosa *B. & Br.* U 2
rufa *Fr.* L 2 3
splendens [*Phil. et Plow.*] L 2
Epichloe typhina *Tul.* M 2 C 1 L 2 U 1 2
Cordyceps capitata *Link.* M 2
entomorhiza [*Fr.*] L 2
militaris *Link.* M 2 C 1 L 2 U 1 2
ophioglossoides *Link.* M 2
Claviceps Junci *Adams.* L 2
microcephala *Tul.* M 1 L 2 3
purpurea *Tul.* C 1 L 2

DOTHIDEACEAE.

Rhopographus filicinus *Fuck.* L 2 U 1
Phyllachora graminis *Fuck.* L 2
Podagrariae *Karst.* C 1
ulmi *Fuck.* U 1
Dothidella ulmi *Fr.* L 2

SORDARIACEAE.

Hypocopra fimicola *Sacc.* C 1
stercoraria *Sacc.* M 2

CHAETOMIACEAE.

Chaetomium chartarum *Ehrb.* M 1
comatum *Fr.* M 2 L 2

SPHAERIACEAE.

Trichosphaeria pilosa *Fuck.* L 2
Lasiosphaeria canescens *Karst.* L 2
hirsuta *Ces. et Not.* M 2 L 2
ovina *Ces. et Not.* L 2
spermioides *Ces. et Not.* M 2 U 2
Herpotrichia Keitii [*Sacc.*]. L 2
macrotricha *Sacc.* L 2
Chaetospheria tristis *Schröt.* U 1
Bertia moriformis *Ces. et Not.* L 2 U 2
Rosellinia aquila *de Not.* L 2 U 2
mammaeformis *Ces. et Not.* C 1 L 2 U 1
thelena *Rab.* L 2

III. Euascomycetes—*continued.*

Zignoëlla pulviscula *Sacc.* L 2
Melanomma pulvis-pyrius *Fuck.* M 2 L 2 U 2

Cucurbitariaceae.

Nitschkia tristis *Fuck.* L 2
Gibbera vaccinii *Fr.* U 2
Cucurbitaria Berberidis *Gray.* L 2
elongata *Grev.* M 2 U 2
Laburni *Ces. et Not.* L 2 U 1

Mycosphaerellaceae.

Mycosphaerella Brassicae *Johnson.* C 3
latebrosa *Cooke.* U 1
maculaeformis *Cooke.* U 1
ostruthii *Fr.* U 1
pinodes *Niessl.* U 1
punctiformis *Rabenh.* M 2 U 2
tabifica *Prill. et Del.* Ireland
taxi *Cooke.* L 2 3
Stigmatea Nicholsoni *Cooke.* M 2
ostruthii *Oudem.* L 2
Robertiani *Fr.* L 2
Ticothecium calcaricolum *Arnold.* Ireland
gemmiferum *Körb.* Ireland
leucomelarium *Berl. et Vogl.* M 2
perpusillum *Arnold.* C 1
pygmaeum *Körb.* U 1
rimosicolum *Arnold.* M 1 C 1
Sphaerulina taxi *Cooke.* L 2 3

Pleosporaceae.

Physalospora gregaria *Sacc.* C 1
Venturia bryophila *Sacc.* M 1
Geranii *Wint.* U 2
ilicifolia *Cooke.* L 2
inaequalis *Wint.* L 2
Leptosphaeria acuta *Karst.* M 2 L 2 U 2
arundinacea *Sacc.* L 2
culmifraga *Ces. et Not.* L 2
Doliolum *de Not.* L 2
Pyrenophora phaeocomes *Sacc.* M 2
Pleospora herbarum *Rabenh.* M 2
scirpicola *Karst.* U 1
trichospora *Diedick.* M 2 L 1
Ulmi *Wallr.* M 2

Massariaceae.

Massaria pupula *Tul.* U 1

Gnomoniaceae.

Gnomonia erythrostoma *Auersw.* M 2
Gnomon *Schröt.* U 2
setacea *Ces. et Not.* L 2

Valsaceae.

Valsa eunomia *Nitsch.* M 2
Eutypa *Wint.* L 2
flavovirescens *Wint.* M 2 U 2
lata *Nitsch.* M 2 L 2 U 1
leiphemia *Wint.* U 1
leucostoma *Fr.* U 1
Prunastri *Wint.* Ireland
salicina *Fr.* U 2
stellulata *Fr.* U 1

Melanconidaceae.

Valsaria Tiliae *de Not.* U 2
Melanconis lanciformis *Tul.* U 2

Diatrypaceae.

Diatrype bullata *Fr.* U 1 2
corniculata *B. & Br.* M 2
disciformis *Fr.* M 2 L 2 U 1 2
stigma *Fr.* M 2 U 2
Diatrypella nucleata *Sacc.* U 1
pulvinata *Nits.* U 1 2
strumella *Fuck.* U 1
verrucaeformis *Fuck.* U 1 2

Melogrammataceae.

Sillia ferruginea *Karst.* U 1

Xylariaceae.

Nummularia Bulliardi *Tul.* L 2
Hypoxylon atropurpureum *Fr.* U 1
coccineum *Bull.* M 2 U 1 3
cohaerens *Fr.* U 1
fuscum *Fr.* M 2 L 2 3 U 1 2

III. EUASCOMYCETES—*continued.*

Hypoxylon multiforme *Fr.* C 1 L 2
rubiginosum *Fr.* M × L 2 3 U 1
serpens *Fr.* U 2
udum *Fr.* L 2
Ustulina vulgaris *Tul.* M 2 L 2 U 1 2
Daldinia concentrica *Ces. et Not.* M 1 L 2
Xylaria carpophila *Fr.* L 2 U 2
corniformis *Fr.* L 2 U 1
hypoglossa *Grev.* L 2
Hypoxylon *Grev.* M 1 2 L 2 U 1 2
polymorpha *Grev.* L 2
rhopaloides *Mont.* L 2

IV. BASIDIOMYCETES.

1. Hemibasidii.

USTILAGINACEAE.

Ustilago Avenae *Jens.* C ×
Caricis *Fuck.* L 3
longissima *Tul.* C 2 L 3 U 3
Scabiosa *Wint.* M 2
segetum *Dittm.* M 2 C 1 L 2 U 1 2
Tragopogi *Schroet.* M 2 L 2
Vaillantii *Tul.* L 2 U 1

TILLETIACEAE.

Tilletia Rauwenhofii *F. de Waldh.* L 3
striiformis *Magnus.* L 2
Tritici *Wint.* L 2 U 2
Entyloma Ranunculi *Schroet.* L 2
Urocystis Anemones *Schroet.* L 2 U 1
Violae *Fisch.* C 1 L 2

2. Eubasidii.

(1) *Protobasidiomycetes.*

ENDOPHYLLACEAE.

Endophyllum Euphorbiae *DC.* M 2 U 1

MELAMPSORACEAE.

Melampsora betulina *Tul.* M 1 2 L 2 U 1
circaeae *Schum.* L 2
epitea *Thum.* L 2
farinosa *Schroet.* M 2 C 1 L 2 3 U 1
Helioscopiae *Cast.* M 1 2 L 2 U 1
Hypericorum *Schroet.* C 1 L 2 3 U 1
lini *Tul.* M 2 C 1 L 2 3 U 1 2
populina *Lév.* M 2 L 2
Vacciniorum *Schroet.* L 2
Vitellinae *Thum.* M 2
Coleosporium Campanulae *Lév.* M 2 U 2
Euphrasiae *Wint.* M 2 C 1 L 2 3 U 1
Senecionis *Fr.* M 2 C 1 L 2 3
Sonchi *Lév.* M 1 2 C 1 L 2 3 U 1
Calyptospora Goeppertiana [*Kühn.*] U 2

PUCCINIACEAE.

Gymnosporangium clavariiforme *Rees.* M 2 L 2 U 1 2
juniperinum *Fr.* M 2 C 1 L 2
Sabinae *Wint.* M 2 L 2
Uromyces Alchemillae *Fuck.* L 2 U 2
Anthyllidis *Schroet.* C 1 L 2
Betae *Kühn.* L 2
Dactylidis *Otth.* M 2 L 2 U 1 2
Dianthi *Niessl.* L 2
Fabae *de Bary.* M 1 2 L 2 U 1
Ficariae *Lév.* L 2 U 1
Geranii *Otth.* L 2 3
Parnassiae *DC.* L 2
Rumicis *Wint.* M 2 L 2 U 1 2
Scillarum *Wint.* U 1 2
Trifolii *Lév.* C 1
Valerianae *Fuck.* C 1 L 3
Puccinia aegra *Grove.* U 1
Aegopodii *Link.* U 1 2
Agrostidis *Plow.* U 1
Angelicae *Fuck.* L 3
annularis *Wint.* L 2
Baryi *Wint.* L 2
bullata *Schroet.* L 2 3 U 1
Bunii *Wint.* L 2
Buxi *DC.* L 2 3 U 1 2
Calthae *Link.* L 2 U 1

IV. Basidiomycetes—*continued.*

Puccinia Caricis *Rebent.* C 1 L 2
Circaeae *Pers.* M 2 L 2 3 U 2
coronata *Corda.* L 2 3 U 2
Epilobii *DC.* M 2 C 1 L 2 U 2
Fergussoni *B. & Br.* L 2
fusca *Relh.* L 2 U 1
Galii *Schwein.* L 2
Glechomatis *DC.* L 2 3 U 1
glomerata *Grev.* L 2 U 1 2
graminis *Pers.* M 1 2 L 2 U 1 2
Hieracii *Mart.* M 2 C 1 L 2 3 U 1 2
Hydrocotyles *Cooke.* L 2
Lapsanae *Fuck.* L 2
Malvacearum *Mont.* L 2 3 U 1
Menthae *Pers.* M 2 L 2 3 U 1 2
Moliniae *Tul.* C 1 L 2
oblongata [*Wint.*] M 2 L 2
obscura *Schroet.* L 2
Phalaridis *Plow.* L 2 U 1
Phragmitis *Körn.* L 2 U 1 2
Pimpinellae *Link.* M 2 C 1 L 2 3
Poarum *Niels.* M 2 L 2 3 U 1
Polygoni *Wint.* M 2 L 3
Prenanthis *Fuck.* U 2
Primulae *Duby.* M 2 C 1 L 2 3 U 2
pringsheimiana *Klebahn.* M 2 L 2 U 1 2
Pruni *Pers.* L 2
Rubigo-vera *Wint.* L 2
Saniculae *Grev.* C 1 L 2 U 1
Saxifragae *Schlecht.* M 1 L 2
sessilis *Schneid.* L 2 U 1
Silenes *Schroet.* L 2
silvatica *Schroet.* U 1 2
Smyrnii *Corda.* L 2 U 1
suaveolens *Rostr.* M 2 L 2 3 U 1 2
Taraxaci *Plow.* C 1 L 2 3
uliginosa *Juel.* L 2
Umbilici *Guep.* L 2 U 2
Veronicae *Wint.* L 2 3
Vincae *DC.* M 1 L 2
Violae *DC.* M 1 2 C 1 L 2 3 U 2
Phragmidium Fragariastri *Schroet.* C 1 L 2
Potentillae *Karst.* M 2 L 2 U 1 2
Rubi *Wint.* M 2 L 2
Rubi-idaei *Karst.* M 2 L 2 U 1 2
Sanguisorbae *Schroet.* C 1
subcorticatum *Wint.* C 1 L 2
Tormentillae *Fuck.* L 2
violaceum *Wint.* C 1 L 2
Triphragmium Ulmariae *Link.* M 1 C 1 L 2 3

Auriculariaceae.

Auricularia mesenterica *Fr.* M 2 L 2
Hirneola Auricula-Judae *Berk.* M 2 L 2 U 1 2

Pilacraceae.

Stilbum vulgare *Tode.* L 2 U 2

Tremellaceae.

Exidia albida *Bref.* M 1 2 L 2 3 U 1 2
glandulosa *Fr.* M 1 2 C 1 L 2
recisa *Fr.* M 1
Ulocolla foliacea *Bref.* L 2 U 1 2
Tremella fimbriata *Pers.* M 2 U 1
indecorata *Sommf.* M 1 C 1 L 2
intumescens *Sow.* M 1 2 U 1
mesenterica *Retz.* M 1 2 C 1 L 2 3 U 1 2
viscosa *Berk.* L 2
Naematilia encephala *Fr.* U 1

(2) *Autobasidiomycetes.*

Dacromycetaceae.

Dacromyces deliquescens *Duby.* L 2
macrosporus *B. & Br.* L 2
stillatus *Nees.* M 2 C 1 L 2 3 U 1 2
Guepinia merulina *Quel.* L 2
Calocera cornea *Wint.* L 2 U 2
viscosa *Fr.* L 2

Exobasidiaceae.

Exobasidium Vaccinii *Wor.* L 2 3

Hypochnaceae.

Tomentella ferruginea *Pers.* L 2

IV. BASIDIOMYCETES—*continued.*

THELEPHORACEAE.

Corticium arachnoideum *Berk.* U 1 2
calceum *Fr.* M 2 L 2 U 2
cinereum *Pers.* M 2
coeruleum *Pers.* L 2 U 2
comedens *Fr.* U 1
confluens *Fr.* M 2 U 2
evolvens *Fr.* U 1
ferrugineum *Pers.* L 2
lacteum *Fr.* U 2
laeve *Fr.* L 2 U 1 2
nudum *Fr.* U 1
ochraceum *Fr.* M 2
Sambuci *Fr.* L 2
vagum *B. & C.* Ireland
Coniophora byssoidea *Karst.* M 2
puteana *Mass.* L 2
sulphurea *Mass.* L 2
Stereum ferrugineum *Fr.* Ireland
hirsutum *Fr.* M 1 2 L 2 3 U 1 2
purpureum *Pers.* M 2 L 2 U 1 2
rugosum *Pers.* M 2
sanguinolentum *Fr.* M 2 U 1
Thelephora anthocephala *Fr.* L 2
caesia *Pers.* L 2 U 1
caryophyllea *Pers.* M 2
cristata *Fr.* L 2 U 1
intybacea [*Pers.*]. M 2
laciniata *Pers.* M 2 L 2 U 2
mollissima *Pers.* U 1
setacea *Berk.* L 2
terrestris *Ehr.* L 2
undulata *Fr.* M 2
Craterellus clavatus *Fr.* L 2
cornucopioides *Fr.* L 2 U 1
lutescens *Fr.* M 2
sinuosus *Fr.* L 2 U 1
Cyphella capula *Fr.* L 2
dochmiospora *B. & Br.* L 2
Goldbachii *Weinm.* L 2
Pimii *Phill.* L 2
villosa *Karst.* M 2 L 2 U 2
Solenia anomala *Fr.* L 2
Peniophora cinerea *Cooke.* L 2
quercina *Cooke.* M 1 2 L 2 U 1
rosea *Mass.* L 2
velutina *Cooke.* U 1 2
Hymenochaete avellana *Lév.* M 2
corrugata *Lév.* L 2
rubiginosa *Lév.* M 2 L 2 U 1 2

CLAVARIACEAE.

Typhula erythropus *Fr.* M 2 U 2
gyrans [*Fr.*]. M 2 L 2
tenuis *Sow.* M 2
Clavaria abietina *Schum.* M 2 L 2
acuta *Sow.* M 2
argillacea *Fr.* M 2
cinerea *Bull.* M 1 L 2 U 2
contorta *Holmsk.* L 2
coralloides *Linn.* M 1 2 L 2 U 1 2
cristata *Holmsk.* M 1 2 L 2
fastigiata *Linn.* M 1 2 L 2 3 U 1 2
fragilis *Holmsk.* M 1 2 L 2 U 1
fusiformis *Sow.* M 1 2 L 2 3 U 1
inaequalis *Fl. Dan.* M 1 L 2 U 2
juncea *Fr.* M 1 L 2
pistillaris *Linn.* U 2
purpurea *Müll.* L 2
rugosa *Bull.* M 2 L 2 U 1 2
stricta *Pers.* M 1
tuberosa *Sow.* U 2
uncialis *Grev.* M 2 L 2
vermicularis *Scop.* M 2 L 2
Pistillaria culmigena *Fr.* L 2
micans *Fr.* U 1
puberula *Berk.* U 2
quisquiliaris *Fr.* M 2 L 2
Sparassis laminosa [*Fr.*] U 2

HYDNACEAE.

Phlebia contorta *Fr.* L 2
Grandinia granulosa *Fr.* M 2 L 2 U 1
Odontia barba-Jovis *Fr.* M 2 L 2
fimbriata *Pers.* L 2

IV. Basidiomycetes—*continued.*

Radulum laetum *Fr.* L 2
orbiculare *Fr.* L 2 U 1
quercinum *Fr.* L 2
Hydnum alutaceum *Fr.* L 2
auriscalpium *Linn.* M 2 L 2
cinereum *Bull.* L 2
cyathiforme [*Schaeff.*] M 2
denticulatum *Pers.* L 2
farinaceum *Pers.* M 1
ferrugineum *Fr.* L 2
graveolens *Del.* U 1
imbricatum *Linn.* M 1
niveum *Pers.* L 2
ochraceum *Pers.* M 2 L 2
plumosum *Duby.* L 2
pudorinum *Fr.* L 2
repandum *Linn.* M 1 2 L 2 3 U 1 2
rufescens *Pers.* L 2
udum *Fr.* M 2 L 2
zonatum *Batsch.* M 2
Irpex fusco-violaceus *Fr.* L 2
heterodon *Sacc.* L 2
obliquus *Fr.* L 2 U 1

Polyporaceae.

Merulius corium *Fr.* M 2 L 2 3 U 2
lachrymans *Fr.* M 2 L 2 U 2
Poria bombycina *Fr.* L 2
ferruginosa *Mass.* M 1 2 L 2 U 2
hibernica *B. & Br.* L 2
medulla-panis *Cooke.* U 1 2
mollusca *Pers.* M 2
obducens *Pers.* L 2
purpurea *Cooke.* U 1
radula *Fr.* L 2
sanguinolenta [*A. & S.*] L 2
vaporaria *Fr.* M 1 L 2 3 U 1
violacea *Cooke.* U 1
vitrea *Pers.* L 2
vulgaris *Fr.* M 2 L 2 U 2
Fomes annosus *Fr.* L 2 U 1 2
applanatus *Wallr.* L 2
cytisinus *Berk.* L 2
fomentarius *Fr.* M 1 L 2 3 U 1 2
fraxineus *Fr.* L 2 U 2
fulvus *Fr.* L 2
igniarius *Fr.* M 1 2 L 2 U 1
Ribis *Fr.* L 2
salicinus *Fr.* M 2 L 2
ulmarius *Fr.* L 2
variegatus *Secr.* C 1
Polyporus adustus *Fr.* M 2 L 2 U 1
amorphus *Fr.* L 2
armeniacus *Berk.* M 2 L 2
betulinus *Fr.* M 1 L 2 U 1
brumalis *Fr.* L 2 U 1
chioneus *Fr.* L 2 U 2
dryadeus *Fr.* M 2 L 2 U 1 2
elegans *Fr.* L 2
frondosus *Fr.* M 2
fumosus *Fr.* L 2 U 1
giganteus *Fr.* M 2 L 2 3 U 1 2
hispidus *Fr.* L 2
lentus *Berk.* L 2 U 2
melanopus *Fr.* L 2
nidulans *Fr.* M 2
pallescens *Fr.* U 2
perennis *Fr.* M 1 2 L 2 U 1 2
picipes *Fr.* L 2
pinicola *Wint.* M 2
rufescens *Fr.* L 2
salignus *Fr.* U 1 2
spumeus *Fr.* U 1 2
squamosus *Fr.* M 1 2 L 2 3 U 1 2
sulphureus *Fr.* L 2
varius *Fr.* L 2 U 1
Polystictus abietinus *Fr.* M 2 L 2 U 1
fibula *Fr.* U 2
radiatus *Fr.* L 2 U 1 2
velutinus *Fr.* L 2 U 1
versicolor *Fr.* M 2 L 2 U 1 2
Wynnei *B. & Br.* L 2
Trametes mollis *Fr.* L 2
Daedalea quercina *Pers.* L 2 U 2

IV. BASIDIOMYCETES—*continued.*

Daedalea unicolor *Fr.* M 1 2 L 2
Lenzites betulina *Fr.* L 2
Fistulina hepatica *Fr.* M 2 L 2 U 1 2
Boletus aestivalis *Fr.* U 1
aurantiporus *Fr.* L 2
badius *Linn.* L 2
bovinus *Linn.* M 2 L 2 U 1 2
calopus *Fr.* M 1
castaneus *Bull.* U 1
chrysenteron *Fr.* L 2 3 U 1
crassus *Mass.* L 2
cyanescens *Bull.* L 2
edulis *Bull.* M 2 L 2 U 1 2
elegans *Schum.* M 1 L 2 U 1
flavus *With.* M 1 2 C 1 L 2 3 U 1 2
fragrans *Vitt.* U 1
granulatus *Linn.* L 2 U 1
impolitus *Fr.* U 1 2
laricinus *Berk.* M 1 C 1 L 2 3 U 1
luridus *Schaeff.* M 1 2 L 2 3 U 1 2
luteus *Linn.* M 1 2 C 1 L 2 3 U 1 2
Mac Weeneyi *W. G. Sm.* L 2
olivaceus *Schaeff.* L 2
pachypus *Fr.* M 1 L 2 U 1 2
parasiticus *Bull.* L 2
piperatus *Bull.* M 1 L 2 U 2
porphyrosporus *Fr.* L 2
satanas *Lenz.* M 1 L 2 U 1 2
scaber *Fr.* M 1 L 2 U 1
subtomentosus *Linn.* M 2 L 2 U 1 2
sulphureus [*Fr.*] L 2
variecolor *B. & Br.* U 1
Ceriomyces albus *Sacc.* L 2

AGARICACEAE.

Amanita aspera [*Fr.*] M 2
excelsa *Fr.* L 2
lenticularis [*W. G. Sm.*] L 2
mappa *Fr.* L 2 U 1
muscaria *Fr.* M 1 2 L 2 3 U 1 2
pantherina *Fr.* L 2 U 1
phalloides *Fr.* M 2 L 2 U 1 2
porphyria *Fr.* L 2
rubescens *Fr.* M 1 L 2 U 1 2
spissa *Fr.* M 1 L 2
strobiliformis *Vitt.* L 2
Amanitopsis adnata *W. G. Sm.* U 1
strangulata *Roze.* L 2 U 1
vaginata *Roze.* L 2 U 1 2
Lepiota acutesquamosa *Weinm.* L 2
amianthina *Scop.* L 2
Badhami *Berk.* M 1
cepaestipes *Sow.* M 2 L 2
clypeolaria *Bull.* M 2 U 2
cristata *A. & S.* M 1 L 2 3 U 2
delicata *Fr.* L 2
excoriata *Schaeff.* L 2
felina *Pers.* C 1 L 2
gracilenta *Kromb.* U 1
granulosa *Batsch.* L 2 U 1
holosericea *Fr.* L 2
mesomorpha *Bull.* L 2
procera *Scop.* M 2 L 2 3 U 1 2
rachodes *Vitt.* U 1
sistrata *Fr.* L 2
Armillaria mellea *Vahl.* M 1 2 L 2 U 1 2
mucida *Schrad.* L 2 U 1 2
ramentacea *Bull.* L 2
Tricholoma albellum *Fr.* M 1
albobrunneum [*Pers.*] U 1
album *Schaeff.* L 2 U 1
atrosquamosum *Chev.* M 1
brevipes *Bull.* L 2
caelatum *Fr.* L 2
cinerascens *Bull.* L 2
colossum *Fr.* U 1
columbetta *Fr.* M 1 L 2 U 2
cuneifolium *Fr.* M 1
flavobrunneum *Fr.* M 1 L 2 U 1
fulvellum *Fr.* L 2
gambosum *Fr.* L 2 U 1 2

IV. Basidiomycetes—*continued.*

Tricholoma grammopodium *Bull.* M 2 L 2 U 1
humile *Pers.* M 1 L 2
imbricatum *Fr.* M 1 L 2 U 1
immundum *Berk.* L 2
inamoenum *Fr.* L 2
lascivum *Fr.* L 2
luridum *Fr.* L 2
melaleucum *Pers.* L 2
militare *Lasch.* U 1
murinaceum *Bull.* L 2
nictitans *Fr.* M 1 L 2
nudum *Bull.* M 1 L 2 U 1
panaeolum *Fr.* M 1 L 2
personatum *Fr.* M 1 L 2 U 1 2
pes-caprae *Fr.* M 2
resplendens *Fr.* L 2
rutilans *Schaeff.* M 2 L 2 3 U 1 2
saponaceum *Fr.* L 2
scalpturatum *Fr.* L 2
Schumacheri *Fr.* L 2 3
sordidum *Fr.* M 1
spermaticum *Fr.* M 1
subpulverulentum *Pers.* M 1 L 2
sulphureum *Fr.* M 1 2
terreum *Schaeff.* M 1 2 L 2 3 U 2
ustale *Fr.* M 1
vaccinum *Fr.* L 2
virgatum *Fr.* L 2

Clitocybe bella *Pers.* L 2 U 1
brumalis *Fr.* L 2 U 1
candicans *Pers.* M 1 L 2
cerussata *Fr.* M 1 2 L 2 U 1
cyathiformis *Bull.* M 2 L 2 U 1 2
dealbata *Sow.* L 2 U 2
ectypa *Fr.* L 2 U 1
elixa *Sow.* U 1
flaccida *Sow* M U 1
fragrans *Sow.* M 1 2 L 2 U 1 2
fumosa *Pers.* M 1 L 2 U 1
gallinacea *Scop.* M 1 L 2
geotropa *Bull.* M 1 L 2 U 1
Clitocybe gilva *Pers.* M 1 U 1
infundibuliformis *Schaeff.* M 1 L 2
inornata *Sow.* L 2
inversa *Scop.* L 2 U 1
laccata *Scop.* M 1 2 L 2 3 U 1 2
maxima *Fr.* U 1
nebularis *Batsch.* L 2 U 1 2
odora *Sow.* L 2 U 1
tumulosa *Kalch.* M 1

Collybia acervata *Fr.* L 2
atrata *Fr.* L 2
butyracea *Bull.* L 2 U 1 2
caulicinalis *Bull.* U 1 2
clavus *Linn.* L 2 U 2
collina *Scop.* L 2
confluens *Pers.* L 2 U 1 2
conigena *Pers.* M 2 L 2
dryophila *Bull.* M 1 L 2 3 U 1 2
fusipes *Bull.* M 2 L 2
inolens *Fr.* M 1
longipes *Bull.* L 2
maculata *A & S.* L 2 3 U 1
nitellina *Fr.* L 2
platyphylla *Fr.* L 2
plexipes *Fr.* L 2
protracta *Fr.* L 2
radicata *Relh.* M 1 2 L 2 3 U 1
tenacella *Pers.* L 2
tuberosa *Bull.* M 2 L 2
velutipes *Fr.* M 2 L 2 U 1 2

Mycena acicula *Schaeff.* L 2
alkalina *Fr.* M 1 L 2 U 1
amicta *Fr.* L 2
ammoniaca *Fr.* L 2
capillaris *Fr.* L 2
cohaerens *Fr.* U 2
corticola *Fr.* L 2 U 1 2
cruenta *Fr.* L 2 U 2
dissiliens *Fr.* M 1
elegans *Pers.* L 2 U 2
epipterygia *Scop.* M 2 L 2 U 1
filopes *Bull.* C 1 L 2

IV. BASIDIOMYCETES—*continued.*

Mycena galericulata *Scop.* M 1 2 L 2 U 1 2
galopus *Fr.* M 1 2 L 2
haematopus *Pers.* L 2
hiemalis *Osbeck.* L 2
iris *Berk.* L 2
juncicola *Fr.* C 1
lactea *Pers.* L 2 U 1
leucogala *Cooke.* L 2
pelianthina *Fr.* M 1 U 2
pelliculosa *Fr.* U 1
polygramma *Bull.* M 1 2 L 2
prolifera *Sow.* M 1
pterigena *Fr.* L 2
pullata *Berk. & Cooke.* L 2
pura *Pers.* M 1 2 L 2 U 1 2
rorida *Fr.* U 1
rugosa *Fr.* L 3
sanguinolenta *A. & S.* M 2 L 2
speirea *Fr.* L 2
stylobates *Pers.* C 1 L 2 U 1
tenella *Fr.* U 1
tenerrima *Berk.* M 1 C 1 L 2 3
tintinnabulum *Fr.* L 2
vitilis *Fr.* M 1 L 2
vulgaris *Pers.* M 1 L 2
Omphalia fibula *Bull.* M 1 2 C 1 L 2 U 1
grisea *Fr.* U 1
integrella *Pers.* L 2
muralis *Sow.* M 1 L 2
pyxidata *Bull.* M 1 L 2 U 2
rustica *Fr.* L 2
stellata *Fr.* U 2
telmatiaea *Berk. & Cooke.* L 2
umbellifera *Linn.* M 1 L 2 U 1 2
Pleurotus acerosus *Fr.* C 1 L 2 U 2
applicatus *Batsch.* M 2 U 2
corticatus *Fr.* L 2 U 1
craspedius *Fr.* L 2
dryinus *Pers.* L 2 U 1
lignatilis *Fr.* M 1
Pleurotus mitis *Pers.* M 1 L 2
salignus *Pers.* U 1
septicus *Fr.* L 2
subpalmatus *Fr.* L 2
ulmarius *Bull.* L 2 U 1
Volvaria bombycina *Fr.* U 2
parvula *Fr.* L 2
speciosa *Fr.* L 2 U 2
Pluteus cervinus *Schaeff.* L 2 3 U 1
Entoloma ameides *B. & Br.* U 1
clypeatum *Linn.* U 2
costatum *Fr.* L 3
helodes *Fr.* M 1 C 1 U 1
jubatum *Fr.* L 2 U 1
nidorosum *Fr.* L 2 U 1
rhodopolium *Fr.* L 3 U 1
sericellum *Fr.* L 2
sericeum *Fr.* L 2 U 1
sinuatum *Fr.* U 2
Clitopilus carneoalbus *With.* L 2
cretatus *B. & Br.* L 2
prunulus *Scop.* L 2 U 2
Leptonia aethiops *Fr.* M 1 L 2
chalybaea *Pers.* M 2 U 2
incana *Fr.* L 2
lampropus *Fr.* L 2
solstitialis *Fr.* M 1
Nolanea pascua *Pers.* M 1 2 L 2 U 2
pisciodora *Cesati* L 2
rufo-carnea *Berk.* U 1
Eccilia griseorubella *Lasch.* L 2
Claudopus depluens *Batsch.* C 1 L 2
variabilis *Pers.* M 2 L 2 U 1 2
Pholiota adiposa *Fr.* L 2
aurea *Matt.* M 2 L 2 U ×
aurivella *Batsch.* L 2
caperata *Pers.* U 2
capistrata *Cooke.* L 2
dura *Bolton.* L 2
erebia [*Fr.*] L 2
Junonia *Fr.* U 1
marginata *Batsch.* L 2

IV. Basidiomycetes—*continued.*

Pholiota mutabilis *Schaeff.* L 2 U 2
praecox *Pers.* L 2
spectabilis *Fr.* L 2 U 1 2
squarrosa *Müll.* M 1 2 L 2 U 1 2

Inocybe asterospora *Quél.* L 2
calamistrata *Fr.* L 2 U 1
cincinnata *Fr.* L 2
Curreyi *Berk.* L 2
destricta *Fr.* L 2
eutheles *B. & Br.* M 1 L 2
fastigiata *Schaeff.* M 1 L 2
fibrosa *Sow.* M 1 L 2 U 1
flocculosa *Berk.* M 1
geophylla *Fr.* M 1 2 L 2 U 1 2
hiulca *Fr.* M 1
lanuginosa *Bull.* M 1 U 1
perlata *Cooke,* L 2
plumosa *Bolton.* M 1 U 1
pyriodora *Pers.* M 1 L 2
rimosa *Bull.* M 1 2 L 2 3 U 2
scabra *Fr.* L 2 U 2

Hebeloma crustuliniforme *Bull.* M 1 L 2 U 1
fastibile *Fr.* M 1 L 2 U 1 2
longicaudum *Pers.* M 1 L 2
mesophaeum *Fr.* M 1
sinapizans *Fr.* U 1 2
testaceum *Batsch.* L 2

Flammula flavida *Schaeff.* L 2 U 2
inopus *Fr.* M 2 L 2
lenta *Pers.* M 1 L 2
sapinea *Fr.* U 1

Naucoria badipes *Fr.* L 2
conspersa *Pers.* M 1 L 2
erinacea *Fr.* L 2
escharoides *Fr.* L 2 U 1 2
melinoides *Fr.* L 2
pediates *Fr.* M 1 L 2
scolecina *Fr.* L 2
semiorbicularis *Bull.* L 2
sideroides *Bull.* L 2

Galera hypnorum *Batsch.* M 1 2 C 1 L 2 3 U 1
mniophila *Lasch.* L 2
ovalis *Fr.* L 2
rubiginosa *Pers.* L 2
tenera *Schaeff.* M 2 L 2 U 1 2

Tubaria furfuracea *Pers.* L 2
paludosa *Fr.* L 2
pellucida *Bull.* M 2

Crepidotus alveolus *Lasch.* L 2
chimonophilus *B. & Br.* L 3
mollis *Fr.* L 2 U 1

Psalliota arvensis *Schaeff.* L 2 3 U 1 2
campestris *Linn.* M 1 2 C 1 L 1 2 3 U 1 2
haemorrhoidaria *Magnus.* L 2
silvatica *Quèl.* M 1 L 2
xanthoderma *Genev.* L 2

Stropharia aeruginosa *Curt.* M 2 L 2 U 1 2
albocyanea *Desm.* L 2
inuncta *Fr.* L 2
semiglobata *Batsch.* M 1 2 C 1 L 2 U 1 2
stercoraria *Fr.* L 2

Hypholoma appendiculatum *Bull.* L 2 U 1
dispersum *Fr.* L 2
egenulum *B. & Br.* L 2
epixanthum *Fr.* L 2 3
fasciculare *Huds.* M 1 2 L 2 3 U 1 2
hydrophilum *Bull.* L 2
lacrymabundum *Fr.* U 1
sublateritum *Schaeff.* L 2 3 U 2
velutinum *Pers.* L 2

Psilocybe areolata *Klotsch.* L 2 3
cernua *Müll.* M 1
clivensis *B. & Br.* L 2
ericacea *Pers.* M 2 L 2
foenisecii *Pers.* L 2 U 1
semilanceata *Fr.* M 1 L 2
spadicea *Fr.* L 2

IV. BASIDIOMYCETES—*continued.*

Psilocybe sublateritius *Fr.* M 2
Psathyra corrugis *Pers.* L 2
spadiceogrisea *Schaeff.* L 2
Anellaria fimiputris *Karst.* M 1 C 1 L 2 U 1 2
separata *Karst.* L 2 U 1 2
Panaeolus campanulatus *Linn.* L 2
papilionaceus *Fr.* L 2
phalaenarum *Fr.* C 1 L 2 3
Psathyrella atomata *Fr.* L 2
disseminata *Pers.* M 2 L 2 3 U 1 2
gracilis *Fr.* L 2
hiascens *Fr.* U 1
Coprinus atramentarius *Fr.* M 1 L 2 U 1 2
comatus *Fr.* M 2 L 2 3 U 1 2
congregatus *Fr.* M 2
deliquescens *Fr.* L 2
domesticus *Fr.* L 2
ephemerus *Fr.* C 1 L 3
extinctorius *Fr.* L 2
fuscescens *Fr.* U 1
hemerobius *Fr.* L 2 U 1
lagopus *Fr.* L 2
micaceus *Fr.* M 2 L 2 3 U 1 2
niveus *Fr.* M 2 L 2 U 1
ovatus *Fr.* U 2
picaceus *Fr.* U 1
plicatilis *Fr.* M 2 L 2 U 1 2
radiatus *Fr.* M 2 L 2
tomentosus *Fr.* L 2
Bolbitius Boltonii *Fr.* U 2
fragilis *Fr.* L 2 U 2
tener *Berk.* L 2 3 U 1
Cortinarius (Phlegmacium) claricolor *Fr.* M 1
fulgens *Fr.* L 2
glaucopus *Fr.* L 2
infractus *Fr.* L 2
largus *Fr.* L 2
purpurascens *Fr.* L 2 U 1
scaurus *Fr.* U 2
Cortinarius talus *Fr.* L 2
testaceus *Cooke.* M 2
turbinatus *Fr.* L 2
varius *Fr.* M 2 L 2 U 1
(Myxacium) collinitus *Fr.* L 2 U 2
elatior *Fr.* L 2
(Inoloma) alboviolaceus *Fr.* L 2
Bulliardii *Fr.* U 2
callisteus *Fr.* U 1
camphoratus *Fr.* M 1
cyanites *Fr.* U 1
pholideus *Fr.* M 1
sublanatus *Fr.* L 2 U 2
violaceus *Linn.* M 2 L 2
(Dermocybe) anomalus *Fr.* L 2 U 1
caninus *Fr.* L 2
cinnamomeus *Fr.* M 1 2 L 2 U 1 2
militinus *Fr.* L 2
sanguineus *Fr.* M 2 L 2
uliginosus *Berk.* L 2
(Telamonia) evernius *Fr.* U 2
gentilis *Fr.* U 2
helvolus *Fr.* M 2
hemitrichus *Fr.* L 2
hinnuleus *Fr.* L 2
iliopodius *Fr.* M 2
paleaceus *Fr.* L 2
torvus *Fr.* L 2
(Hydrocybe) acutus *Fr.* L 2 U 2
armeniacus *Fr.* M 1 L 2
castaneus *Fr.* L 2
dilutus *Fr.* U 2
leucopus *Fr.* L 2
(Gomphidius) glutinosus *Fr.* L 2 U 1
gracilis *Berk.* L 2
viscidus *Fr.* L 2 3 U 1 2
(Paxillus) giganteus *Fr.* M 2 U 2
involutus *Fr.* M 1 2 L 2 U 1 2
panaeolus *Fr.* L 2
pannoides *Fr.* L 2

IV. Basidiomycetes—*continued.*

Hygrophorus (Limacium) eburneus *Bull.* L 2 U 1 2
hypothejus *Fr.* M 2
(Camarophyllus) nemoreus *Fr.* L 3
niveus *Fr.* L 2 3 U 1
ovinus *Bull.* M 1 2 L 2 U 2
pratensis *Fr.* M 1 L 2 3 U 1
russocoriaceus *B. & Br.* L 3
virgineus *Wulf.* M 1 2 L 2 U 1
(Hygrocybe) calpytraeformis *Berk.* M 1 L 2 3
ceraceus *Wulf.* M 1 2 L 2 U 1
chlorophanus *Fr.* L 2 3 U 1 2
coccineus *Schaeff.* M 2 L 2 3 U 1 2
conicus *Fr.* M 1 L 2 3 U 1 2
Houghtonii *Fr.* M 1
intermedius *Pass.* U 3
laetus *Fr.* M 1 L 2
miniatus *Fr.* M 1 L 2 U 1
nitratus *Pers.* L 2
obrusseus *Fr.* U 1 2
psittacinus *Schaeff.* M 1 2 L 2 3 U 1 2
puniceus *Fr.* M 2 L 2 U 2
unguinosus *Fr.* L 2
Lactarius acer *Fr.* M 2
blennius *Fr.* M 1 L 2 3 U 1
camphoratus *Fr.* L 2
chrysorrheus *Fr.* L 2
cilicioides *Fr.* U 2
circellatus *Fr.* L 2
controversus *Pers.* M 2 U 1
deliciosus *Fr.* M 1 2 L 2 U 1 2
fuliginosus *Fr.* L 2
glyciosmus *Fr.* M 1 L 2 U 1
hysginus *Fr.* L 2 U 1.
insulsus *Fr.* M 1 L 2
mitissimus *Fr.* M 1 U 1
pallidus *Fr.* M 1 L 2 U 1 2
pergamenus *Fr.* U 1
piperatus *Fr.* L 2 U 1
pyrogalus *Fr.* M 1 L 2
Lactarius quietus *Fr.* M 1 L 2 U 1 2
rufus *Scop.* L 2 U 1 2
scrobiculatus *Fr.* M 2 L 2
serifluus *Fr.* M 1 L 2 U 1 2
subdulcis *Fr.* M 1 L 2 3 U 1 2
subumbonatus *Lindgr.* L 2
theiogalus *Fr.* M 2 U 1
torminosus *Schaeff.* M 1 L 2 U 1 2
turpis *Fr.* M 1 L 2 U 1
vellereus *Fr.* M 1 L 2 U 1
volemus *Fr.* M 1 L 2 U 1
zonarius *Fr.* L 2 U 1 2
Russula adusta *Fr.* M 2 L 2 U 1
alutacea *Fr.* M 1 L 2 U 2
armeniaca *Cooke.* L 2
consobrina *Fr.* L 2
cyanoxantha *Schaeff.* L 2
decolorans *Fr.* L 2
delica *Fr.* L 2 3
depallens *Fr.* L 2
drimeia *Cooke.* L 2 U 1
emetica *Fr.* M 1 2 L 2 U 1 2
fellea *Fr.* L 2
foetens *Fr.* L 2
fragilis *Fr.* M 1 L 2 U 1
furcata *Fr.* M 1 L 2
galochroa *Fr.* L 2
granulosa *Cooke.* L 2
heterophylla *Fr.* M 1 L 2 U 2
integra *Fr.* L 2 U 1
lepida *Fr.* L 2
lutea *Fr.* M 2 L 2
nigricans *Fr.* M 1 L 2 U 1 2
ochroleuca *Fr.* M 1 L 2
puellaris *Fr.* L 2
Queletii *Fr.* L 2
rosacea *Fr.* M 1
rubra *Fr.* L 2 U 1 2
sardonia *Fr.* M 1 L 2
subfoetens *W. G. Sm.* L 2
vesca *Fr.* L 2

IV. BASIDIOMYCETES—*continued.*

Russula virescens *Fr.* M 1 L 2 U 1
Cantharellus albidus *Fr.* C 1
aurantiacus *Fr.* L 2 U 1
cibarius *Fr.* M 1 2 L 2 U 1 2
cinereus *Fr.* L 2
lobatus *Fr.* M 2 L 2 U 2
muscigenus *Fr.* L 2
retirugus *Fr.* L 2
tubaeformis *Fr.* L 2
Nyctalis asterophora *Fr.* L 2
parasitica *Fr.* L 2
Marasmius androsaceus *Fr.* M 2 C 1 L 2 U 2
caulicinalis *Fr.* L 2
epiphyllus *Fr.* L 2
erythropus *Fr.* U 1
graminum *Berk.* L 2
Hudsonii *Pers.* L 2
impudicus *Fr.* L 2
institius [*Fr.*] L 2
oreades *Fr.* M 2 L 2 3 U 1
perforans *Fr.* M 2
peronatus *Fr.* L 2 U 1
ramealis *Fr.* M 2 C 1 L 2
rotula *Fr.* M 1 2 L 2 3 U 1 2
terginus *Fr.* L 2
urens *Fr.* M 1 L 2 U 1
Vaillantii *Fr.* L 2
Lentinus cochleatus *Fr.* M 2
flabelliformis *Fr.* U 2
lepideus *Fr.* M 2 L 2
tigrinus *Fr.* U 2
Panus stypticus *Fr.* L 2
torulosus *Fr.* L 2
Schizophyllum commune *Fr.* M 2

CLATHRACEAE.

Clathrus cancellatus *Tournef.* M ×

PHALLACEAE.

Mutinus caninus *Fr.* L 2
Ithyphallus impudicus *Fisch.* M 1 2 L 2 3 U 1 2

HYMENOGASTRACEAE.

Hymenogaster vulgaris *Tul.* L 2
Octaviania asterosperma *Vitt.* L 2

LYCOPERDACEAE.

Lycoperdon Bovista *Linn.* M 2 L 2 3 U 1 2
caelatum *Bull.* M 1 L 2 U 1 2
excipuliforme [*Pers.*] M 2
gemmatum *Batsch.* M 1 2 L 2 3 U 1 2
pyriforme *Schaeff.* M 2 L 2 3 U 1 2
saccatum *Vahl.* M 1 L 2 U 1
Bovista nigrescens *Pers.* M 1 2 L 2 U 1 2
plumbea *Pers.* M 2 L 2 U 1
pusilla *Pers.* M 2 U 2
Geaster fimbriatus *Fr.* M 2 3 L 2
Michelianus *W. G. Sm.* L 2
rufescens *Pers.* M 2 L 2

NIDULARIACEAE.

Nidularia pisiformis *Tul.* L 2
Crucibulum vulgare *Tul.* M 2 L 2 U 2
Cyathus striatus *Hoffm.* M 2 L 2 U 2
vernicosus *DC.* M 2 L 2 U 2

SCLERODERMATACEAE.

Scleroderma Bovista *Fr.* M 1 L 2 U 2
cepa [*Pers.*] M 2
Geaster [*Fr.*] L 2
verrucosum *Pers.* M 2 L 2
vulgare *Fr.* M 1 2 L 2 3 U 1 2

SPHAEROBOLACEAE.

Sphaerobolus stellatus *Tode.* M 2 L 2 U 2

V. FUNGI IMPERFECTI.

1.—Sphaeropsidales.

SPHAERIOIDACEAE.

Phyllosticta atro-zonata *Voss.* L 2
Phoma asteriscus *Bull.* L 2
concentricum *Desm.* U 1
Grossulariae *Schulz et Sacc.* Ireland
solanicola *Pril. et Del.* L 2
Cicinnobolus Ulicis *Adams.* L 2
Asteroma reticulatum *Berk.* U 1
rosae *DC.* M 1 L 2
Vermicularia Dematium *Fr.* L 2
Cytospora carphosperma *Fr.* M 2
leucosperma *Pers.* M 2
Ceuthospora lauri *Grev.* U 2
Ascochyta dianthi *Berk.* U 1
graminicola *Sacc.* L 2
Diplodina Salicis *West.* M 3
Diplodia herbarum *Lév.* L 2
Ilicis *Fr.* U 2
Taxi *de Not.* U 2
Dichomera Saubinetii *Cooke.* L 2
Septoria aceris *B. & Br.* L 2
Castanicola *Desm.* U 1
Petroselini *Desm.* Ireland
Veronicae *Desm.* L 2

LEPTOSTROMATACEAE.

Piggottia astroidea *B. & Br.* L 2
gladioli *Pim.* L 2
Actinothyrium graminis *Kunze.* M 2

EXCIPULACEAE.

Dinemasporium graminum [*Lév.*]. L 2
Discella carbonacea *B. & Br.* U 1

2.—Melanconiales.

MELANCONIACEAE.

Gloeosporium ficariae *Berk.* L 2
fructigenum *Berk.* L 2
Orchidearum *Karst. et Har.* L 2
Melanconium bicolor *Nees.* U 1
Pandani *Lév.* L 2
Coryneum Beijerinckii *Oudem.* L 2
disciforme *Kunze.* U 1

3.—Hyphomycetes.

MUCEDINACEAE.

Oospora crustacea *Sacc.* L 2
fasciculata *S. & V.* L 2
lactis *Sacc.* Ireland
microsperma *S. & V.* L 2
Monilia aurea *Gmel.* C 1 L 2
racemosa *Purt.* U 2
Oidium chrysanthemi *Rabenh.* L 2
farinosum *Cooke.* L 2
fasciculatum *Berk.* M 2
monilioides *Link.* L 2
Fusidium griseum *Link.* L 2
Cylindrium flavovirens *Bon.* L 2
heteronemum *Sacc.* L 2
Geotrichum candidum *Link.* L 2
Rhopalomyces candidus *B. & Br.* L 2
pallidus *B. & Br.* L 2
Cephalosporium Acremonium *Corda.* L 2
Papulospora sepedonioides *Preuss.* L 2
Trichoderma viride *Pers.* M 2
Botryosporium diffusum *Corda.* C 1 L 2
pulchrum *Corda.* L 2 3
Alliaspora Sapuçaya *Pim.* L 2
Haplaria grisea *Link.* L 2
Acremonium verticillatum *Link.* L 2
Rhinotrichum repens *Preuss.* C 1 L 2
Sporotrichum flavissimum *Link.* L 2
laxum *Link.* M 2
Botrytis cana *K. & Schm.* L 2 U 1
dichotoma *Corda.* L 2
effusa *Grev.* M 2
parasitica *Cav.* Ireland
Tilletii *Desm.* L 2
vera *Berk.* U 2
vulgaris *Fr.* L 2
Sepedonium chrysospermum *Fr.* M 2 L 2
roseum *Fr.* M 1
Verticillium alboatrum *Rke. et Berth.* L 2
aspergillus *B. & Br.* L 2

V. FUNGI IMPERFECTI—*continued.*

Verticillium lateritium *Berk.* L 2
nanum *B. & Br.* L 2
Rexianum *Sacc.* L 2
Clonostachys Araucaria *Corda.* L 2
Trichothecium obovatum *Sacc.* L 2
piriferum *Sacc.* L 2
roseum *Link.* M 1 L 2 3
Arthrobotrys rosea *Mass.* L 2
Diplocladium macrosporium *Mass.* L 2
minus *Bon.* L 2
Mycogone rosea *Link.* L 2
Macrosporium cheiranthi *Fr.* L 2
Ramularia calcea *Ces.* L 2
cryptostegiae *Pim.* L 2
rapae *Pim.* L 2
urticae *Ces.* L 2
Septocylindrium Bonordenii *Sacc.* L 2
elongatisporium *Sacc.* L 2
Helicomyces roseus *Link.* L 2

DEMATIACEAE.

Torula expansa *Pers.* L 2
herbarum *Link.* L 2
ovalispora *Berk.* L 2
parasitica *Pim.* L 2
pinophila *Chev.* L 2
pulveracea *Corda.* L 2
pulvillus *B. & Br.* L 2
sporendonema *B. & Br.* L 2
Echinobotryum atrum *Corda.* L 2
Stachybotrys atra *Corda.* M 1 L 2
lobulata *Berk.* L 2
Periconia byssoides *Pers.* L 2 U 1
calicoides *Berk.* L 2
Zygodesmus fuscus *Corda.* L 2
Glenospora Curtisii *Berk.* L 2
Monotospora sphaerocephala *B. & Br.* L 2
Acremoniella fusca *Sacc.* L 2
Haplographium delicatulum *B. & Br.* L 2
Myxotrichella deflexum *Sacc.* L 2
Menispora ciliata *Corda.* L 2 3
lucida *Corda.* L 2
Pimina parasitica *Grove,* L 2
Stachylidium bicolor *Link.* M 2
cyclosporum *Grove.* C 1 L 2
diffusum *Fr.* M 2 U 1 2
Cladotrichum Passiflorae *Pim.* Ireland.
Bispora monilioides *Corda.* L 2
Passalora bacilligera *Mont. et Fr.* L 2
Polythrincium Trifolii *Kunze.* L 2
Cladosporium compactum *Sacc.* U 1
epiphyllum *Nees.* L 2 3
fasciculare *Fr.* M 2
fulvum *Cooke.* M 2
herbarum *Link.* M 2 C 1 L 2 U 1 2
nodulosum *Corda.* L 2
Clasterosporium opacum *Sacc.* L 2
Septonema irregulare *B. & Br.* L 2
Napicladium Brunaudii *Sacc.* U 3
Helminthosporium echinulatum *Berk.* L 2
gymnostachyii *Pim.* L 2
molle *B. & C.* L 2
simplex *Kunze.* L 2
tiliae *Fr.* M 2 L 2
velutinum *Link.* L 2
Heterosporium echinulatum *Cooke.* L 2
exasperatum *Berk.* L 2
Spondylocladium atrovirens *Harz.* C 1
Dendryphium comosum *Wallr.* L 2
Sporoschisma mirabile *B. & Br.* L 2
Coniothecium effusum *Corda.* L 2
Sporidesmium Solani *Vañha.* Ireland.
Speira toruloides *Corda.* L 2
Tetraploa aristata *B. & Br.* L 2
Mystrosporium Stemphylium *Corda.* U 1
Septosporium bulbotrichum *Corda.* L 2
Alternaria tenuis *Nees.* L 1
Cercospora Bloxamii *B. & Br.* M 1 C 1 3 L 2 U 3

V. Fungi Imperfecti—*continued.*

Cercospora resedae *Fckl.* Ireland.
Fumago vagans *Pers.* L 2

Stilbaceae.

Stilbella bicolor *Lind.* U 2
erythrocephalum *Lind.* L 2 3
fimetarium *Lind.* L 2
tomentosum *Lind.* L 2 3
Lasioderma flavo-virens *Dur. et Mont.* L 2
Ceratium hydnoides *A. & S.* M 1 L 2 U 2
Isaria farinosa *Fr.* M 2
fuciformis *Berk.* L 2
Graphium Grovei *Sacc.* L 2 3
Sporocybe byssoides *Bon.* L 2
Stysanus putredinis *Corda.* L 2
Stemonitis *Corda.* L 2 U 1
ulmariae *McW.* L 2 3

Tuberculariaceae.

Tuberculina persicina *Sacc.* L 2
vinosa *Sacc.* L 2
Aegerita candida *Pers.* L 2
Tubercularia Aesculi *Opiz.* L 2
confluens *Pers.* M 2
Dendrodochium rubellum [*Sacc.*] L 2
Volutella ciliata *Fr.* L 2
hyacinthorum *Berk.* L 2
phaii *Pim.* L 2
roseola *Cooke.* L 2
setosa *Berk.* L 2
Bactridium flavum *Kunze & Schum.* L 2
Fusarium solani *Sacc.* L 1
Pionnotes Betae *Sacc.* L 1
Epicoccum neglectum *Desm.* L 2
purpurascens *Ehr.* L 2
Myrothecium cinereum *Cooke.* L 2
inundatum *Tode.* L 2

APPENDIX I.

Uncertain or Doubtful Records or Insufficiently Named Species, or Species whose Classification is Doubtful.

Many of the species in this list were recorded with no authors' names; hence it is impossible to be certain what species they really represent. Many others are probably recorded with incorrect authors' names, and in one or two cases the species themselves are doubtful. Both genera and species are arranged in alphabetical order.

Aecidium confertum [*Grev.*]
crassum var. periclymeni *DC.* U 1 2
periclymeni *DC.* M 2 L 2
rubellum U 2
taraxaci M 2
Agaricus amethystinus *Sow.* L 2
aurantius Ireland
baccatus M 2
caespitosus L 1
campanulatus *With.* L 2
Agaricus campropus *Fr.* L 3
castaneus *Bolton.* L 2
cinereus Ireland.
comatus *Mull.* M 1 2
corticola *Bull.* M 2
crassipes *Sow.* L 2
cretaceus *Sow.* L 2
cristatus *Fr.* L 3
eburneus *Sow.* L 2
epiphyllus *Pers.* M 2

UNCERTAIN OR DOUBTFUL SPECIES—*continued.*

Agaricus floccosus M 1
Georgii *With.* M 2
granulosus *Scop.* M 2 L 2
integer *With.* L 2
macrophorus M 2
Mariae *Klotzsch.* M 2
nebulosus U 2
nimophilus *Lasch.* L 2
papyraceus M 2
pluteus *Batsch.* M 2
ruber M 2
rubescens *Pen.* M 2 L 2
scaber *Bull.* M 2
scaber *Sow.* L 2
semiovatus M 2
stercorarius *Bull.* M 2
strobiliformis *Fr.* L 2 3
tortilis *Bolton.* Ireland
trilobus *Bolton.* L 2
vulgaris M 2
zonarius *With.* M 2
Amanita aspera (*Fr.*) M 2
ceciliae *B. & Br.* L 2 U 1
lenticularis (*W. G. Sm.*) L 2
vaginata (*Bull.*) L 2 U 1 2
Anthina flammea [*Fr.*] M 2
Arcyria nutans *Bull.* M 2 U 2
Boletus esculentus M 2
igniarius L 2
squamosus L 2
suberosus L 2
versicolor (*Rostk.*) Ireland
Briarea orbiculata *Bon.* L 2
Capnodium citri [*Penz.*] Ireland
Chalara sp. L 2
Chytridium barkerianum *Arch.* L 2
Clavaria corniculata M 2
vermiculata *Scop.* U 1 2
Clitocybe ovina M 2
Clitopilus phlebophorus M 2
Coprinus congregatus (*Fr.*) M 2
Cryptosphaeria acuminata M 2
acuta M 2
aegopodii M 2
arundinacea M 2
bifrons M 2
duplex M 2
hederae M 2
Lauri M 2
Lonicerae M 2
semi-immersa M 2
subconfluens M 2
taxi M 2
Cylindrosporium concentricum M 2
Daedalea biennis M 1
Didymium album *Nees.* M 2
cinereum *Batsch.* M 2
farinaceum *Fr.* M 2 L 2
hemisphaericum *Bull.* M 2
nutans *Pers.* M 2
physaroides *Pers.* M 2 U 2
Elaphomyces granulatus *Alb. et Schw.* M 2
Foenaria sanguinea *Pim.* L 2
Gymnoascus fraxini *de Not* L 2
Hebeloma scabrum *Mull.* U 2
Helvella mitra L 2
Heterosphaeria sclerodermis *Mass.* L 2
Himantia candida *Pers.* M 2
Humaria auriflava *Cooke.* L 2
Hydnum cyathiforme (*Schaeff.*) M 2
imbricatum (*Linn.*) M 1
stenodon *Pers.* L 2
uber L 2
Hymenochaete ferruginea *Bres.* L 2
Hypholoma fasciculatum L 2
Hysterium gramineum M 2.
Irpex pachyodon *Bres.* L 2
Laestadia Rabenhorstii *Sacc.* U 1
Leptolegnia bandoniensis *Swan.* M 1
Leptomitus pisidicola L 2
Lycoperdon excipuliforme [*Pers.*] M 2

UNCERTAIN OR DOUBTFUL SPECIES—*continued.*

Lycoperdon Proteus *With.* Ireland
Macrosporium Solani Ireland
Merulius androsaceus *Sow.* L 2
cantharellus *Sow.* L 2
squamula *Sow.* L 2
umbelliferus *Bolton.* L 2
Mortierella sp. L 2
Mycena spinipes M 2
Myxotrichum deflexum *Berk.* L 2
Nectria lagenae *Mass.* L 2
Nodularia harveyana L 2
Odontia crinalis *Fr.* L 2
uda *Fr.* L 2
Omphalia ericetorum M 2
Peronospora nivea *Ung.* L 2 U 1
schleideniana *de Bary.* L 2
Peziza atrobrunnea *Phill.* C 1
Phallus esculentus L 1
Phialea chrysocoma M 2
cinerea M 2
claro-flava M 2
conigena M 2
herbarum M 2
pedicellata M 2
vulgaris *var.* β. diaphana M 2
Phlebia livida *Bres.* L 2
mesenterica *Dicks.* M 2
Phragmidium bulbosum *Link.* M 1 U 1 2
mucronatum *Link.* U 1 2
Pilobolus roridus *Schum.* M 2 L 2
Polyporus calopus M 2
lucidus (*Fr.*) M 1
luridus M 2
luteus M 2
suaveolens *Linn.* M 2
Polysticta carmichaelianus M 2
Poria sanguinolenta (*A. & S.*) L 2
Psilocybe bullata *Bull.* L 3
Puccinia circaeae *Pers.* M 2 L 2 3 U 2
Puccinia compositarum *Schlecht.* U 1 2
fallens *Cooke.* U 1 2
glomerata *Link.* U 1
graveolens *Pers.* L 3
lychnidearum *Link.* C 1 L 3 U 1
silenes *Scv.* L 2
tumida [*Grev.*] M 2
umbelliferum M 2
Reticularia hydnoides Ireland
Rhacodium cellulare [*Pers.*] L 2
Rhizomorpha divergens *Grev.* M 2
subcorticalis *Pers.* M 2
Rhytisma corrugatum M 2
Russula lepias L 2
Saprolegnia philomukes *W. Sm.* L 2
Scleroderma geaster (*Fr.*) L 2
Sclerotium durum [*Pers.*] M 2
pteridis M 2
varium *Pers.* M 2
Sparassis laminosa (*Fr.*) U 2
Sphaeria botryosa *Fr.* L 2
ocellata *B. & Br.* U 2
profusa *Sow.* M 2
Sphaeronema subulatum M 2
Sporotrichum sulphureum [*Grev.*] M 2
tenuissimum M 2
Stagnospora pini U 1
Stemonitis fasciculata M 2
Thelephora calcea M 2
corium M 2
fraxinea M 2
incrastans M 2
intybacea (*Pers.*) M 2
Tremella ferruginea M 1
intestina Ireland
tremella *Fr.* M 1
Trichia nuda L 2
Typhula gyrans (*Fr.*) M 2
Uredo frumenti L 1
Verticillium epimyces *B. & Br.* L 2

APPENDIX II.

LIST OF SYNONYMS.

These are arranged in alphabetical order. The name given first is that under which the species was originally recorded, while the second is the one under which the species is recorded in the foregoing list. Authors' names in square brackets denote that these authors' names were not quoted in the original record; but there is every reason to believe that they are correct.

Acrosporium fasciculatum *Grev.* = Oospora fasciculata *S. & V.*
Aecidium Allii *Grev.* = Puccinia sessilis *Schneid.*
Aquilegiae [*Pers.*] = Puccinia Agrostidis *Plow.*
Ari *Berk.* = Puccinia Phalaridis *Plow.*
Berberidis *Pers.* = Puccinia graminis *Pers.*
Calthae *Grev.* = Puccinia Calthae *Link.*
cancellatum *Pers.* = Gymnosporangium Sabinae *Wint.*
compositarum var. Tussilaginis *P.* = Puccinia poarum *Nielsen.*
„ „ Jacobaeae *Grev.* = Puccinia sylvatica *Schröt.*
cornutum [*Gmel.*] = Gymnosporangium juniperinum *Fr.*
crassum *Pers.* = Puccinia coronata *Corda.*
Epilobii *DC.* = Puccinia Epilobii *DC.*
Euphorbiae *Pers.* = Endophyllum Euphorbiae *DC.*
Grossulariae *Schum.* = Puccinia pringsheimiana *Klebahn.*
laceratum *Sow.* = Gymnosporangium clavariiforme *Rees.*
leucospermum [*DC.*] = Puccinia fusca *Relh.*
Menthae *DC.* = Puccinia Menthae *Pers.*
Pini [*Pers.*] = Coleosporium Senecionis *Fr.*
Primulae *DC.* = Puccinia Primulae *Duby.*
Ranunculacearum *DC.* = Uromyces Dactylidis *Otth.*
Sonchi *West* = Coleosporium Sonchi *Lev.*
Taraxaci *K. et Schm.* = Puccinia Prenanthis *Fuck.*
Tussilaginis [*Gmel.*] = Puccinia poarum *Nielsen.*
Urticae *DC.* = Puccinia Caricis *Reb.*
Violae *Schum.* = Puccinia Violae *DC.*
Aethalium septicum *Fr.* = Fuligo septica *Gmel.*
Agaricus lateritius *Schaeff.* = Psilocybe sublateritius *Fr.*
tortilis *Bolt.* = Clitocybe tortilis *Bolt.*
Aleuria granulata *Bull.* = Humaria granulata *Sacc.*
humosa *Fr.* = Humaria humosa *Sacc.*
Amanita adnata *Sm.* = Amanitopsis adnata *W. G. Sm.*

List of Synonyms—*continued.*

Amanita ceciliae *B. & Br.* = Amanitopsis strangulata *Rozl.*
cristata *Fr.* = Lepiota cristata *A. & S.*
vaginata *Bull.* = Amanitopsis vaginata *Bull.*
Arcyria cinerea *Schum.* = A. albida *Pers.*
Aregma bulbosum *Fr.* = Phragmidium Rubi *Pers.*
gracile *Grev.* = Phragmidium Rubi-idaei *Pers.*
Ascomyces deformans *Berk.* = Exoascus deformans *Fuck.*
Ascophora Mucedo *Tode* = Rhizopus nigricans *Ehrenb.*
Asterophora agaricola *Corda* = Nyctalis asterophora *Fr.*
Auricularia ferruginea [*Bull*] = Stereum ferrugineum *Fr.*

Barlaea Crouani *Mass.* = Plicariella Crouani *Rehm.*
Boletus Grevillei *Kl.* = B. flavus *With.*
suberosus [*Sow.*] = Fomes cytisinus *Berk.*
Bulgaria inquinans *Fr.* = B. polymorpha *Wett.*

Calloria chrysostigma [*Phill,*] = Pezizella chrysostigma *Sacc.*
vinosa *A. & S.* = Orbilia vinosa *Karst.*
xanthostigma *Fr.* = Orbilia xanthostigma *Fr.*
Cantharellus lutescens [*Fr.*] = Craterellus lutescens *Fr.*
undulatus [*Fr.*] = Thelephora undulata *Fr.*
Cenangium ferruginosum [*Fr.*] = C. abietis *Rehm.*
Chaetomium elatum *Kunze* = C. comatum *Fr.*
Chaetosphaeria phaeostroma *Fuck.* = C. tristis *Schröt.*
Clavaria cornea *Fr.* = Calocera cornea *Wint.*
ericetorum [*Pers. b.*] = C. argillacea *Fr.*
hypoxylon [*Linn.*] = Xylaria hypoxylon *Grev.*
pratensis *Pers.* = C. fastigiata *Berk.*
Clitocybe gigantea *Fr.* = Paxillus giganteus *Fr.*
Coleosporium petasites *Lév.* (*& DC.*) = C. Sonchi *Pers.*
rhinanthacearum *Lév.* = C. Euphrasiae *Schm.*
sonchi-arvensis *Lév.* = C. Sonchi *Pers.*
tussilaginis *Lév.* = C. Sonchi *Pers.*
Comatricha Friesiana *de Bary* = C. obtusata *Preuss.*
Corticium quercinum *Pers.* = Peniophora quercina *Cooke.*
roseum *Pers.* = Peniophora rosea *Mass.*
velutinum *Fr.* = Peniophora velutina *Cooke.*
Cortinarius caperatus *Fr.* = Pholiota caperata *Pers.*
Craterium minutum *Fr.* = C. pedunculatum *Trent.*
Cribraria micropus [*Schrad.*] = C. argillacea *Pers.*
Cryptosphaeria faginea [*Grev.*] = Dichaena faginea *Fr.*
herbarum = Pleospora herbarum *Rabh.*

LIST OF SYNONYMS—*continued.*

Cryptosphaeria millepunctata [*Grev.*] = Valsa eunomia *Vitset.*
punctiformis [*Pers.*] = Mycosphaerella punctiformis *Rabh.*
strobilina = Dichaena strobilina *Fr.*
Cucurbitaria coccinea [*Grev.*] = Nectria coccinea *Fr.*

Dactylium dendroides *Fr.* = Hypomyces rosellus *Tul.*
Dematium articulatum [*Pers.*] = Cladosporium fasciculare *Fr.*
Diatrype ferruginea *Fr.* = Sillia ferruginea *Karst.*
nucleata *Curr.* = Diatrypella nucleata *Sacc.*
quercina *Tul.* = Diatrypella pulvinata *Nits.*
strumella *Fr.* = Diatrypella strumella *Fuck*
verrucaeformis *Fr.* = Diatrypella verrucaeformis *Fuck.*
Diderma globosum [*Pers.*] = Chondrioderma globosum *Rost.*
vernicosum *Pers.* = Leocarpus vernicosus *Link.*
Didymium furfuraceum *Fr.* = Physarum nutans *Pers.*
melanopus *Fr.* = Didymium farinaceum *Schrad.*
Dothidea filicina *Fr.* = Rhopographus filicinus *Fuck.*
typhina *Pers.* = Epichloe typhina *Tul.*
ulmi *Fr.* = Phyllachora Ulmi *Fuck.*
Eccilia variabilis *Pers.* = Claudopus variabilis *Pers.*
Elaphomyces granulatus *Fr.* = E. cervinus *Schröt.*
muricatus *Fr.* = E. variegatus *Vitt.*
Erineum aureum [*Pers.*] = Taphrina aurea *Fr.*
Erysiphe communis *Schl.* = E. cichoracearum *DC.*
lamprocarpa*Lév.* = E. Galeopsidis *DC.*
Martii *Link.* = E. Polygoni *DC.*
Montagnei *Lév.* = E. cichoracearum *DC.*
Eurotium herbariorum *Link.* = Aspergillus glaucus *Link.*
Eutypa Acharii *Tul.* = Valsa eutypa *Wint.*
flavovirescens *Tul.* = Valsa flavovirescens *Wint.*
lata *Tul.* = Valsa lata *Nitsch.*
Eutypella Prunastri [*Pers.*] = Valsa Prunastri *Wint.*
stellulata *Sacc.* = Valsa stellulata *Fr.*

Fusicladium dendriticum *Wallr.* = Venturia inaequalis *Aderh.*

Galera sphagnorum *Pers.* = G. hypnorum *Batsch.*
Ganoderma applanatum *Fr.* = Fomes applanatus *Wallr.*
Geopyxis ammophila *Sacc.* = Peziza ammophila *D. & M.*
coccinea *Mass.* = Peziza coccinea *Jacq.*
cupularis *Sacc.* = Peziza cupularis *Linn.*
Gnomoniella vulgaris *Sacc.* = G. Gnomon *Schröt.*
Gyrodon rubellus *McW.* = Boletus McWeenyi *W. G. Sm.*

List of Synonyms—*continued.*

Hebeloma calamistrata *Fr.* = Inocybe calamistrata *Gill.*
euthela *B. & Br.* = Inocybe eutheles *Quél.*
fastigata *Fr.* = Inocybe fastigata *Quél.*
fibrosa *Sow.* = Inocybe fibrosa *Gill.*
flocculenta *Bull.* = Inocybe lanuginosa *Quél.*
flocculosa *Berk.* = Inocybe flocculosa *Sacc.*
geophylla *Sow.* = Inocybe geophylla *Quél.*
hiulca *Fr.* = Inocybe hiulca *Gill.*
plumosa *Bolt.* = Inocybe plumosa *Quél.*
pyriodora *Pers.* = Inocybe pyriodora *Quél.*
rimosa *Bull.* = Inocybe rimosa *Quél.*
Helminthosporium gramineum *Rabh.* = Pleospora trichostoma *Died.*
Helotium aeruginosum *Fr.* = Chlorosplenium aeruginosum *de Not.*
calyculus *Fr.* = Hymenoscypha calyculus *Phill.*
Helvella mitra [*Schaeff.*] = Helvella lacunosa *Afz.*
Humaria hinnulea *B. & Br.* = Sphaerospora hinnulea *Mass.*
Hymenoscypha tuba *Bolt.* = Helotium tuba *Fr.*
Hypochnus ferrugineus *Pers.* = Corticium ferrugineum *Pers.*
Hypoxylon concentricum *Grev.* = Daldinia concentrica *Ces. et Not.*
Hysterium arundinaceum [*Schrad.*] = Lophodermium arundinaceum *Chev.*
foliicolum [*Fr.*] = Lophodermium hysterioides *Sacc.*
fraxini *Pers.* = Hysterographium fraxinum *de Not.*
juniperinum *D.N.* = Lophodermium juniperinum *de Not.*
lineare [*Fr.*] = Glonium lineare *de Not.*
pinastri *Schrad.* = Lophodermium pinastri *Chev.*
rubi [*Pers.*] = Hypoderma virgultorum *DC.*
virgultorum *DC.* = Hypoderma virgultorum *DC.*

Laccaria bella *Pers.* – Clitocybe bella *Fr.*
laccata *Scop.* = Clitocybe laccata *Scop.*
Lachnea bicolor [*Bull.*] = Dasyscypha bicolor *Fuck.*
coccinea *Jacq.* = Geopyxis coccinea *Mass.*
hinnulea *B. & Br.* = Sphaerospora hinnulea *Mass.*
papillaris [*Phill.*] = Dasyscypha papillaris *Mass.*
plano-umbilicata [*Grev.*] = Trichopeziza plano-umbilica *Sacc.*
trechispora *B. & Br.* = Sphaerospora trechispora *Sacc.*
umbrosa [*r.*] = L. umbrorum *Gill.*
virginea [*Batsch.*] = Dasyscypha virginea *Fuck.*
Lactarius exsuccus *Otto* = Russula delica *Fr.*
Lecythea lini *Lév.* = Melampsora Lini *Pers.*
Lepista nuda *Bull.* = Tricholoma nudum *Quél.*
personata *Fr.* = Tricholoma personatum *Quel.*

LIST OF SYNONYMS—*continued.*

Licea cylindrica *Fr.* = Dictydiaethalium plumbeum *Rost.*
fragiformis *Fr.* = Tubulina fragiformis *Pers.*
Lycogala epidendrum *Fr.* = L. miniatum *Pers.*
Lycoperdon giganteum *Batsch.* = L. Bovista *Linn.*
globosum *Bolton* = Bovista nigrescens *Pers.*
nigrescens *Vitt.* = Bovista nigrescens *Pers.*
plumbeum *Pers.* = Bovista plumbea *Pers.*
pratense *Pers.* = L. gemmatum *Batsch.*
pusillum *Batsch.* = Bovista pusilla *Pers.*

Melampsora euphorbiae *Cast.* = M. Helioscopiae *Pers.*
salicina *Lév.* = M. farinosa *Pers.*
Microsphaera comata *Lév.* = M. Evonymi *Sacc.*
Mitrophora gigas *Lév.* = Morchella gigas *Pers.*
semilibera *Lév.* = Morchella semilibera *DC.*
Mitrula abietis [*Fr.*] = M. cucullata *Fr.*
paludosa *Fr.* = M. phalloides *Chev.*
Mucor stolonifer *Ehr.* = Rhizopus nigricans *Ehr.*

Nemaspora crocea *Pers.* = Sphaeria profusa *Sow.*
Nidularia campanulata *With.* = Cyathus vernicosus *DC.*
crucibulum [*Fr.*] = Crucibulum vulgare *Tul.*
striata *Bull.* = Cyathus striatus *Hoffm.*
Nolanea aethiops *Fr.* = Leptonia aethiops *Fr.*

Oidium balsamii *B. & Br.* = Erysibe Polygoni *DC.*
lactis [*Fres.*] = Oospora lactis *Sacc.*
Tuckeri *Berk.* = Uncinula necator *Burr.*
Olpidiopsis Saprolegniae *Cornu.* = Diplophysa Saprolegniae *Schroet.*

Panaeolus fimiputris *Bull.* = Anellaria fimiputris *Karst.*
separatus *Linn.* = Anellaria separata *Karst.*
Patellaria Carestiae *de Not.* = Durella Carestiae *Sacc.*
Penicillium crustaceum *Fr.* = P. glaucum *Link.*
olivaceum *Corda.* = Briarea orbicula *Bon.*
Peronospora gangliformis *Berk.* = Bremia Lactucae *Regel.*
pygmaea *Ung.* = Plasmopara pygmaea *Schroet.*
Peziza acicularis *Bull.* = Helotium aciculare *Pers.*
atrata *Pers.* = Mollisia atrata *Karst.*
aurantia *Fr.* = Otidea aurantia *Mass.*
bicolor *Bull.* = Dasyscypha bicolor *Fuck.*
brunnea *A. & S.* = Sphaerospora brunnea *Mass.*
calycina *Schum.* = Dasyscypha calycina *Fuck*

List of Synonyms—*continued.*

Peziza cinerea *Batsch.* = Mollisia cinerea *Karst.*
claroflava *Grev.* = Helotium claroflavum *Berk*
coccinea *Jacq.* = Geopyxis coccinea *Mass.*
cochleata *Linn.* = Otidea cochleata *Fuck.*
cyathoidea *Bull.* = Hymenoscypha cyathoidea *Phill.*
exidiiformis *B. & Br.* Humaria exidiiformis *Sacc.*
faginea *Pers.* = Helotium fagineum *Fr.*
fructigena *Bull.* = Helotium virgultorum *Karst.*
fusarioides *Berk.* = Calloria fusarioides *Fr.*
granulata *Fr.* = Humaria granulata *Bull.*
hinnulea *B. & Br.* = Sphaerospora hinnulea *Mass.*
humosa *Fr.* = Humaria humosa *Sacc.*
inflexa *Bolt.* = Cyathicula coronata *De Not.*
leporina *Batsch.* = Otidea leporina *Fuck.*
nivea *Fr.* = Lachnella nivea *Phill.*
papillaris *Bull.* = Dasyscypha papillaris *Mass.*
postuma *Berk. & Wilson* = Sclerotinia sclerotiorum *Mass*
rutilans *Fr.* = Humaria rutilans *Sacc.*
sclerotiorum [*Lib.*] = Sclerotinia sclerotiorum *Mass.*
scutellata *Linn.* = Lachnea scutellata *Gill.*
stercorea *Pers.* (*& Fr.*) = Lachnea stercorea *Gill.*
trechispora *B. & Br.* = Sphaerospora trechispora *Sacc.*
villosa *Pers.* = Cyphella villosa *Karst.*
violacea *Pers.* = Humaria violacea *Sacc.*
virginea *Batsch.* = Dasyscypha virginea *Fuck.*
Wilkommii *Hartig.* = Dasyscypha calycina *Fuck.*
Pezizella chrysostigma *Sacc.* = Mollisia flaveola *Phill.*
Phacidium coronatum *Fr.* = Coccomyces coronatus *De Not.*
ilicis *Fr.* = P. multivalve *Kunz. et Schum.*
trifolii *Boud.* = Pseudopeziza Trifolii *Fuck.*
Phallus esculentus *Sow.* = Morchella esculenta *Sow.*
impudicus *Linn.* = Ithyphallus impudicus *Fisch.*
Phoma Betae *Frank.* = Mycosphaerella tabifica *Prill. et Del.*
Phragmidium gracile *Grev.* = P. Rubi-idaei *Pers.*
obtusatum *Fr.* = P. Tormentillae *Fuck.*
obtusum *Link.* = P. Potentillae *Karst.*
Phyllachora aegopodii *Fuck.* = P. Podagrariae *Karst.*
Phyllactinia guttata *Lév.* = P. corylea *Karst.*
Physarum bulbiforme *Schum.* = P. nutans *Pers.*
sinuosum [*Bull.*] = P. bivalve *Pers.*
Pleospora herbarum *Pers.* = Laestadia Rabenhorsti *Sacc.*
Pluteus nidorosus *Fr.* = Entoloma nidorosum *Fr.*

LIST OF SYNONYMS—*continued.*

Podisoma juniperi *Fr.* = Gymnosporangium clavariaeforme *Rees.*
juniperi-sabinae *Fr.* = Gymnosporangium clavariaeforme *Rees.*
Podosphaera clandestina *Lév.* = P. oxyacanthae *de Bary.*
myrtillina *Kunze.* = P. oxyacanthae *de Bary.*
Polyporus abietinus [*Fr.*] = Polystictus abietinus *Cooke.*
annosus *Fr.* = Fomes annosus *Cooke.*
ferrugineus *Fr.* = Poria ferruginosa *Karst.*
fibula *Fr.* = Polystictus fibula *Fr.*
fomentarius *Fr.* = Fomes fomentarius *Karst.*
fraxineus *Fr.* = Fomes fraxineus *Cooke.*
hibernicus *B. & Br.* = Poria hibernica *Cooke.*
igniarius *Linn.* = Fomes igniarius *Fr.*
molluscus *Pers.* = Poria mollusca *Cooke.*
obducens *Fr.* = Poria obducens *Cooke.*
purpureus *Fr.* = Poria purpurea *Cooke*
radiatus *Fr.* = Polystictus radiatus *Cooke.*
salicinus *Grev.* = Fomes salicinus *Karst.*
vaporarius *Fr.* = Poria vaporaria *Cooke.*
velutinus *Fr.* = Polystictus velutinus *Cooke.*
versicolor *Linn.* = Polystictus versicolor *Fr.*
violaceus *Fr.* = Poria violacea *Cooke.*
vitreus [*Pers.*] = Poria vitrea *Pers.*
vulgaris *Pers.* = Poria vulgaris *Cooke.*
Wynnei [*B. & Br.*] = Polystictus Wynnei *Cooke.*
Polystictus hibernica *B. & Br.* = Poria hibernica *Cooke.*
perennis *Fr.* = Polyporus perennis *Fr.*
Protomyces menyanthis *de Bary.* = Physoderma menyanthis *de Bary.*
Psathyra disseminata *Fr.* = Psathyrella disseminata *Quél.*
hiascens *Fr.* = Psathyrella hiascens *Quél.*
Ptychogaster albus *Corda.* = Ceriomyces albus *Sacc.*
Puccinia anemones [*Pers.*] = P. fusca *Relh.*
apii *Corda.* = P. bullata *Schroet.*
arundinacea *Hedw.* = P. phragmitis *Schum.*
centaureae *Mart.* = P. Hieracii *Schum.*
fabae *Link.* = Uromyces fabae *Pers.*
globosa [*Grev.*] = Uromyces fabae *Pers.*
gracilis [*Grev.*] = Phragmidium Rubi-idaei *Karst.*
luzulae [*Lib.*] = P. oblongata *Link.*
Potentillae [*Pers.*] = Phragmidium Potentillae *Karst.*
pulverulenta *Grev.* = P. Epilobii *DC.*
rubi [*Sow.*] = Phragmidium Rubi *Pers.*
striola *Link.* = P. Caricis *Schum.*

List of Synonyms—*continued.*

Puccinia variabilis *Grev.* = P. Hieracii *Schum.*
veronicarum *DC.* = P. Veronicae *Wint.*
violarum *Link.* = P. violae *Schum.*

Reticularia umbrina *Fr.* = R. Lycoperdon *Bull.*
Rhizophydium Dicksonii *E. P. Wright.* = Eurychasma Dicksonii *Magnus.*
Roestelia lacerata *Tul.* = Gymnosporangium clavariiforme *Rees.*
Rosellinia mastoidea *Fr.* – R. mammaeformis *Ces. et Not.*

Schinzia Alni *Wor.* = Plasmodiophora Alni *Möll.*
Septoria Ulmi [*Fr.*] = Pleospora Ulmi *Wallr,*
Soppittiella caesia *Mass.* = Thelephora caesia *Pers.*
cristata *Mass.* = Thelephora cristata *Fr.*
sebacea *Mass.* = Thelephora sebacea *Berk.*
Sordaria fimicola *Ces. et de Not.* = Hypocopra fimicola *Sacc.*
Sphaeria acuta *Hoff.* (*& Moug.*) = Leptosphaeria acuta *Karst.*
aquila *Fr.* = Rosellinia aquila *de Not.*
canescens *Pers.* = Lasiosphaeria canescens *Karst.*
capitata *Holmsk.* = Cordyceps capitata *Link.*
cinnabarina *Tode.* = Nectria cinnabarina *Fr.*
coccinea *Pers.* = Nectria coccinea *Fr.*
deusta *Hoff.* = Ustulina vulgaris *Tul.*
disciformis *Hoff,* = Diatrype disciformis *Fr.*
fragiformis *Pers.* = Hypoxylon coccineum *Bull.*
gnomon *Tode.* = Gnomoniella vulgaris *Sacc.*
hirsuta [*Fr.*] = Lasiosphaeria hirsuta *Ces. et de Not.*
hypoxylon *Linn.* = Xylaria Hypoxylon *Grev.*
Keitii *B. & Br.* = Herpotrichia Keitii *Sacc.*
lata *Pers.* = Eutypa lata *Tul.*
macrotricha *B. & Br.* = Herpotrichia macrotricha *Sacc.*
mammiformis *Pers.* = Rosellinia mammiformis *Ces. et de Not.*
militaris *Linn.* = Cordyceps militaris *Link.*
moriformis *Tode* = Bertia moriformis *de Not.*
ochracea *Grev.* = Nectria ochracea *Fr.*
ophioglossoides *Ehr.* = Cordyceps ophioglossoides *Link.*
Peziza [*Tode*] = Nectria Peziza *Fr.*
phaeocomes *Reb.* = Pyrenophora phaeocomes *Sacc.*
phaeostroma *Mont.* = Chaetosphaeria phaeostroma *Fuck.*
pinodes *B. & Blox.* = Sphaerella pinodes *Niessl.*
pulvinus-pyrius *Pers.* = Melanomma Pulvis-pyrius *Fuck.*
scirpicola *DC.* = Pleospora scirpicola *Karst.*
spermioides *Hoffm.* = Lasiosphaeria spermioides *Ces. et de Not.*
stercoraria [*Sow.*] = Hypocopra stercoraria *Sacc.*

List of Synonyms—*continued.*

Sphaeria stigma *Hoff.* = Diatrype stigma *Fr.*
taxi [*Sow.*] = Diplodia Taxi *de Not.*
tiliae *Pers.* = Hercospora Tiliae *Tul.*
tuberculosa [*Sow.*] = Hypoxylon fuscum *Fr.*
Spongospora solani *Brunch* = S. subterranea *Johns.*
Stemonitis obtusata *Fr.* = Comatricha obtusata *Preuss.*
ovata *Pers.* = Comatricha obtusata *Preuss.*
typhoides [*Auct.*] = Comatricha typhoides *Rost.*
Stictis lichenicola *Mont.* = Melittosporium lichenicolum *Mass.*
Stigmatea geranii *Fr.* = Venturia Geranii *Wint.*
ranunculi *Fr.* = Pseudopeziza Ranunculi *Fuck.*
Stilbum bicolor *Pers.* = Stilbella bicolor *Lind.*
erythrocephalum [*Ditm.*] = Stilbella erythrocephala *Lind.*
fimetarium *B. & Br.* = Stilbella fimetaria *Lind.*
tomentosum *Schr.* = Stilbella tomentosa *Lind.*
Stromatosphaeria corniculata [*Grev.*] = Diatrype corniculata *B. & Br.*
decorticata [*Grev.*] = Diatrype stigma *Fr.*
deusta [*Grev.*] = Ustulina vulgaris *Tul.*
disciformis [*Grev.*] = Diatrype disciformis *Fr.*
elliptica [*Grev.*] = Hypoxylon rubiginosum *Fr.*
fusca [*Grev.*] = Hypoxylon fuscum *Fr.*
lata [*Grev.*] = Valsa lata *Nitsch.*
multiceps [*Grev.*] = Valsa flavovirescens *Wint.*

Thelephora avellana *Boiss.* = Hymenochaete Avellana *Lév.*
byssoides *Pers.* = Coniophora byssoidea *Karst.*
calcea [*Eng. Fl.*] = Corticium calceum *Fr.*
cinerea *Pers.* = Corticium cinereum *Pers.*
epidermea *Pers.* = Corticium confluens *Fr.*
granulosa *Pers.* = Grandinia granulosa *Fr.*
hirsuta *Willd.* = Stereum hirsutum *Fr.*
ochracea *Fr.* = Corticium ochraceum *Fr.*
purpurea *Pers.* = Stereum purpureum *Pers.*
quercina *Pers.* = Peniophora quercina *Cooke.*
rubiginosa *Schrad.* = Hymenochaete rubiginosa *Lév.*
rugosa *Pers.* = Stereum rugosum *Pers.*
sanguinolenta *A. & S.* = Stereum sanguinolentum *Fr.*
Tilletia caries *Tul.* = T. tritici *Wint.*
Togaria aurea *Bull.* = Pholiota aurea *Matt.*
Torrubia militaris *Fr.* = Cordyceps militaris *Link.*
Tremella albida *Huds.* = Exidia albida *Bref.*
arborea [*Huds.*] = Exidia glandulosa *Fr.*

List of Synonyms—*continued.*

Tremella foliacea *Pers.* = Ulocolla foliacea *Bref.*
indecorata *Sommf.* = Exidia indecorata *Karst.*
sarcoides *With.* = Ombrophila sp.
Trichia chrysosperma *DC.* = T. favoginea *Pers.*
serotina *Schrad.* = Alwisia Bombarda *B. & Br.*
serpula *Pers.* = Hemitrichia Serpula *Rost.*
turbinata *With.* = T. favoginea *Pers.*
Trichobasis petroselini *Berk.* = Puccinia bullata *Pers.*
rumicum *DC.* = Uromyces Rumicis *Schum.*
suaveolens *Lév.* = Puccinia suaveolens *Pers.*
Tuber cibarium [*Sow.*] = T. aestivum *Vitt.*
Tubercularia vulgaris *Tode* = Nectria cinnabarina *Fr.*
Tubulina cylindrica *Rost.* = T. fragiformis *Pers.*

Uncinula adunca *Lév.* = U. Salicis *Wint.*
bicornis *Lév.* = U. Aceris *Sacc.*
spiralis *Berk. et Curt.* = U. necator *Burr.*
Wallrothii *Lév.* = U. Prunastri *Sacc.*
Uredo bifrons *Grev.* = Uromyces Rumicis *Wint.*
campanulae [*Pers.*] = Coleosporium Campanulae *Lév.*
candida *Pers.* = Cystopus candidus *Lév.*
cichoracearum [*DC.*] = Puccinia Hieracii *Schum.*
euphorbiae *Reb.* = Melampsora Helioscopiae *Cast.*
farinosa [*Pers.*] = Melampsora farinosa *Schroet.*
flosculorum [*DC.*] = Ustilago Scabiosa *Wint.*
gyrosa *Reb.* = Phragmidium Rubi-idaei *Karst.*
Helioscopiae [*Pers.*] = Melampsora Helioscopiae *Cast.*
Heraclei [*Grev.*] = Puccinia Pimpinellae *Strauss.*
hypericorum *DC.* = Melampsora hypericorum *DC.*
Labiatarum [*DC.*] = Puccinia Menthae *Pers.*
linearis [*Lév.*] = Puccinia graminis *Pers.*
Lini [*DC.*] = Melampsora Lini *Tul.*
oblongata [*Grev.*] = Puccinia oblongata *Link.*
ovata [*Grev.*] = Melampsora betulina *Tul.*
Populina [*Grev.*] = Melampsora populina *Jacq.*
potentillarum *DC.* = Phragmidium Potentillae *Karst.*
primulae *DC.* = Puccinia Primulae *Duby.*
Rhinanthacearum [*DC.*] = Coleosporium Euphrasiae *Wint.*
rosae *DC.* = Phragmidium subcorticatum *Wint.*
Ruborum [*DC.*] = Phragmidium Rubi *Wint.*
Rumicum [*DC.*] = Uromyces Rumicis *Wint.*
segetum *Pers.* = Ustilago segetum *Ditm.*

LIST OF SYNONYMS—*continued.*

Uredo senecionis *Sch.* = Coleosporium Senecionis *Fr.*
suaveolens [*Pers.*] = Puccinia suaveolens *Rostr.*
Tussilaginis [*Schum.*] = Coleosporium Sonchi *Lév.*
violarum *DC.* = Puccinia Violae *DC.*
vitellinae [*DC.*] = Melampsora Vitellinae *Thüm.*
Urocystis pompholygodes *Schlecht.* = U. Anemones *Wint.*
Uromyces apiculosa *Lév.* = U. Rumicis *Wint.*
appendiculata *Lév.* = U. Fabae *Pers.*
concentrica *Lév.* = U. Scillarum *Wint.*
intrusa *Lév.* = U. Alchemillae *Pers.*
poae *Rabh.* = U. Dactylidis *Otth.*
Ustilago carbo *Tul.* = U. segetum *Wint.*
flosculorum *DC.* = U. Scabiosa *Wint.*
receptaculorum *Fr.* = U. Tragopogi *Schroet.*

Vibrissea margarita *White* = V. truncorum *Fr.*

Xyloma concavum [*Grev.*] = Stegia Ilicis *Fr.*

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